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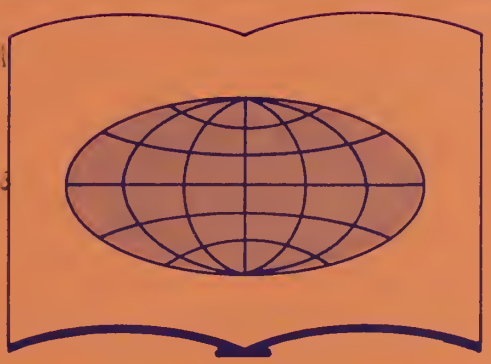

Volume 5 Number 25
December 12, 1969

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Publication of the Pesticides Documentation Bulletin is being discontinued upon completion of Volume 5, 1969, for budgetary reasons.

Users of the Pesticides Documentation Bulletin may wish to refer to the following publications for coverage of the pesticides literature:

Current Contents, Agricultural, Food & Veterinary Sciences, Institute for Scientific Information, Philadelphia

Biological Abstracts, Philadelphia

Chemical Abstracts, Columbus, Ohio

Health Aspects of Pesticides, USPHS, Communicable Disease Center, Atlanta, Georgia

John Sherrod

JOHN SHERROD, Director
National Agricultural Library

PESTICIDES DOCUMENTATION BULLETIN

Volume 5
December 12, 1969
Number 25

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types
Carriers
Crops or Weeds tested with phytotoxicity ratings
Associated documentation

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

PLEASE GIVE COMPLETE BIBLIOGRAPHIC INFORMATION AS IT APPEARS IN THIS PUBLICATION FOR EACH ITEM REQUESTED.

This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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*This issue does not contain citations under this category.

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H Abdul-Nour
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R Agenjo
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C Athias-Henriot
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A Brindle
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F M Brown
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W Buttiker
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J A De Carlo
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O H Casal
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O H Casal M Garcia H I Fernandez
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Culex, Insect identification, Insect taxonomy, Zoogeography. English summary.

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A Cobos
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01 Oct 1968 421 EO7
Buprestidae, Insect taxonomy, Zoogeography. Description of many species among them 17 new ones.

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CONTRIBUTION TO THE STUDY OF CAECULIDAE, 7TH SERIES, MICROCAELULUS FRANZI SP. N., SAND LIVING CAECULIDAE FROM CORSICA. (FR)
Y Coineau
Vie Milieu Ser C Biol Terrestre 19(1-C):143-158
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Insect identification, Insect taxonomy, Tabanidae, Zoogeography. English summary.

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L Davies
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Insect taxonomy, Thysanura.

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H De Lesse
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M Descamps
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M Descamps D Wintrebert
Museum Nat Hist Nat Mem (N s)(SER A)34:59-185 MAP REF
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J P Duffels
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J P Duret
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Culex, Insect identification, Insect taxonomy, Zoogeography. English summary.

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T C Emmel
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T C Emmel J F Emmel
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Insect taxonomy, Satyridae, Zoogeography.

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F Espanol
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H H Evenhuis
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M A Fain-Maurel P Cassier
Arch Zool Exp Gen 109(3):445-476 REF
30 Oct 1968 410 AR24
Ecdysone, Glands (insects), Insect cytology, Insect physiology, Larvae, Locusta migratoria, Molting (insects). English and German abstracts.

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G da V Ferreira
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Cerambycidae, Insect taxonomy.

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Cerambycidae, Insect taxonomy.

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M C Ferreira
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Insect taxonomy, Scarabaeidae.

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SEVEN SPECIES OF CULICIDAE (DIPTERA) NEW FOR THE ARGENTINE ENTOMOFAUNA. (SP)
M Garcia O Casal
Physis 28(76):107-109 REF
30 Sep 1968 516 SO12
Culicidae, Insect identification, Insect morphology, Insect taxonomy, Zoogeography. English summary.

The seven species recorded for the first time are: Toxorhynchites bambusicolus, Phoniomyia diabolica, Ph. fuscipes, Wyeomyia eodioeampa, Culex lueifugus, Aedes rhyacophilus and Wyeomyia arthrostigma.

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ON THE ECOLOGY OF NATURAL DISPERSAL; DIONE MONETA POEYII IN TEXAS (NYMPHALIDAE).
L E Gilbert
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Insect dissemination, Insect ecology, Nymphalidae, Surveys.

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H Gisin M M da Gama
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Collembola, Insect taxonomy.

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J Gomez-Menor Ortega
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D H Habeck
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P Jolivet
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Chrysomelidae, Insect ecology, Insect identification, Insect taxonomy.

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Z Kaszab
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L N Kidd
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Insect taxonomy, Mycetophilidae.

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F Leclant
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Aphididae, Insect taxonomy. English abstract.

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M Leclercq
Bull Recher Agron Gembloux (N s)2(3):517-519 REF
1967 S5.B8

Diptera, Insect identification, Insect taxonomy, Insect vectors, Livestock diseases, Muscidae, Zoogeography.

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O Leconte J C Lefeuvre P Razet
Acad Sci Compt Rend Ser D Sci Nat 265(19, 2ND SEMESTER):1397-1400
06 Nov 1967 505 P21
Blattidae, Insect taxonomy, Malpighian tubes.

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REVIEW OF HOLARCTIC TARSONEMID MITES (ACARINA: PROSTIGMATA)PARASITIZING EGGS OF PINE BARK BEETLES.
E E Lindquist
Entomol Soc Can Mem (60):111P MAP REF
1969 420 EN824
Forest insects, Insect eggs, Insect identification, Insect morphology, Insect taxonomy, Parasitic insects, Seolytidae, Tarsonemidae. The systematics in this revicw is based on the study of about 2500 speeimens.

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RESULTS OF THE PERIS-ALVAREZ EXPEDITION TO THE ISLAND OF ANNOBON. (12). MANTODEA, TETTIGONOIDEA AND ACRIDOIDEA I. (ORTHOPTERA). (SP)
V Llorente
Eos 43(3/4):591-622 MAP REF
01 Oct 1968 421 EO7
Aeridoidea, Expeditions, Insect ecology, Insect taxonomy, Mantidae, Tettigoniidae, Zoogeography.

14763-69
A CONTRIBUTION TO THE KNOWLEDGE OF ARGENTINE SCORPIONS. II. CONSIDERATIONS ON THE GENUS BOTHRIURUS IN PATAGONIA AND TIERRA DEL FUEGO WITH THE DESCRIPTION OF A NEW SPECIES (BOTHRIURIDAE). (SP)
E A Maury
Physis 28(76):149-164 MAP REF
30 Sep 1968 516 SO12
Inseet ecology, Inseet identifieation, Inseet taxonomy, Seorpionida, Zoogeography. English summary.

14764-69
A NEW SPECIES AND SUBSPECIES OF GENUS DYSAPHIS BORN (APHIDOIDEA) FROM TADJIKISTAN. (RUS)
M N Narzikulov
Akad Nauk Tadzh Ssr Dokl 10(10):62-63
1967 511 AK193D
Aphididae, Dysaphis, Insect identification, Inseet taxonomy, Zoogeography.

14765-69
THE LARVA OF SIGARA HELLENSI (C. SAHLB.) (HEM. CORIXIDAE).
N Nieser
Entomol Ber 29(8):141-142
01 Aug 1969 420 N38B
Corixidae, Inseet taxonomy, Larvae.

14766-69
FAUNISTIC DATA ON AQUATIC HETEROPTERA III. VARIOUS LOCALITIES IN EUROPE. (FR)
N Nieser
Entomol Ber 29(6):115-116
01 Jun 1969 420 N38B
Aquatie inseets, Austria, Belgium, Norway, Spain, Surveys. English abstraet.

14767-69
EUREMA SALOME IN TEXAS (PIERIDAE).
P A Opler
Lepidopterists Soc J 23(3):188
24 Sep 1969 421 L554
Inseet identification, Pieridae, Zoogeography.

14768-69
A STUDY OF MELOIDAE. XX. ON THE GENUS GORRIZIA PARDO AND A NEW SUDANESE SPECIES OF THE GROUP BRUNNIPES (KLUG). (FR
A Pardo Aleaide
Eos 43(3/4):623-629
01 Oet 1968 421 EO7
Inseet taxonomy, Meloidae, Zoogeography.

14769-69
THE GENUS TRYSSOTMELE SIMON, 1902 (ARANEAE, DIPLURIDAE). (SP
B S G de Pikelin R D Sehiapelli
Physis 28(76):21-31
30 Sep 1968 516 SO12
Araneida, Inseet identifieation, Inseet taxonomy, Zoogeography. English summary. 6 speeies diseussed were:T. subealpetana, T. australis, T. latastei, T. pissii, T. fuegiana and T. patagoniea.

14770-69
UNCOMMON BUTTERFLIES OF NORTHEASTERN INDIANA.
H F Priee E M Shull
Lepidopterists Soc J 23(3):186-188
24 Sep 1969 421 L554
Hesperiidae, Lycaenidae, Nymphalidae, Pieridae, Riodinidae, Satyridae, Surveys.

14771-69
THE HAEMATOPOTA OF THE IBERIAN PENINSULA. II. DESCRIPTION OF THE MALE OF HAEMATOPOTA LAMBI VILLEN. (SP)
F Salom
Soc Espan Hist Natur Bol Secc Biol 65(1-2):17-20
30 Sep 1967 442.9 SO18
Haematopota, Inseet identifieation, Inseet taxonomy. English summary.

14772-69
NOTES ON FUSTIGER ELEGANS RAFFRAY (COLEOPTERA, PSELAPHIDAE) IN URAGUAY AND ARGENTINA. (SP)
P R San Martin
Physis 28(76):59-64 MAP
30 Sep 1968 516 SO12
Inseet behavior, Inseet populations, Pselaphidae, Solenopsis saevissima, Solenopsis saevissima riehteri, Zoogeography. English summary.

14773-69
THE CORIXIDAE (HEMIPTERA) OF OKLAHOMA.
K F Sehaefer
Okla Acad Sci Proc 48:71-79
1969 500 OK42
Corixidae, Inseet taxonomy, Surveys, Zoogeography.

14774-69
THE AQUATIC AND SEMIAQUATIC HEMIPTERA (BELOSTOMATIDAE AND SALDIDAE) OF OKLAHOMA.
K F Sehaefer W A Drew
Okla Acad Sci Proc 48:79-83 REF
1969 500 OK42
Aquatie inseets, Belostomatidae, Inseet identifieation, Saldidae, Surveys, Zoogeography.

14775-69
LYGAEIDAE (HEMIPTERA) OF OKLAHOMA.
K F Sehaefer W A Drew
Okla Acad Sci Proc 48:83-104 REF
1969 500 OK42
Inseet taxonomy, Lygaeidae, Surveys, Zoogeography.

14776-69
THE GENUS ACHETOPUS TULLGREN 1905 (ARANEAE, DIPLURIDAE). (SP
R D Sehiapelli B S G de Pikelin
Physis 28(76):183-192
30 Sep 1968 516 SO12
Araneida, Inseet identifieation, Inseet taxonomy, Zoogeography. English summary.

14777-69
BIOLOGICAL NOTES ON THE GENUS TINNA DOHRN (IIEMIPTERA, REDUVIIDAE, EMESITAE). (FR)
L G Segers
Biol Jaarb 35:277-278
1967 410 B52
Inseet identifieation, Predaeeous inseets, Reduviidae, Zoogeography.

14778-69
DIASPIDIDAE OF TAIWAN BASED ON MATERIAL COLLECTED IN CONNECTION WITH THE JAPAN-U. S. CO-OPERATIVE SCIENCE PROGRAMME, 1965 (HOMOPTERA: COCCOIDEA). PART I.
S Takagi
Insecta Matsumurana 32(1):1-110
Aug 1969 421 IN77
Diaspididae, Inseet taxonomy, Surveys, Zoogeography.

14779-69
SPHECIDAE COLLECTED AT TENERIFE.
R T S Thomas
Entomol Ber 29(6):120
01 Jun 1969 420 N38B
Sphecidae, Surveys.

14780-69
REVISION OF THE GENUS SAPHANODES (COL., CERAMBYCIDAE, DISTENIINAE). (FR)
A Villiers
Soc Entomol France Ann 5(2):523-533
1969 420 F84
Cerambyeidae, Inseet taxonomy, Zoogeography. English abstraet.

14781-69
FAUNISTIC REMARKS ON THE WEST PALEARCTIC BEES OF THE GENUS ANDREANA F. (HYMENOPTERA APOIDEA). (GE)
K Warneeke
Bull Recher Agron Gembloux (N s)2(3):569-581
1967 S5.B8
Andrenidae, Hymenoptera, Insect identifieation, Inseet taxonomy, Zoogeography. Listing of erroneous identifieations plus listing of 187 new oeeurrenees of Andrenidae.

14782-69
ANASTREPHA OCRESIA (WALKER) (DIPTERA: TEPHRITIDAE).
H V Weems
Fla Dep Agr Div Plant Indus Tri-ology Tech Rep 7(4):19-20
Apr 1968 423.9 F6622
Anastrepha, Grapefruit, Guavas, Insect identifieation, Inseet pests, Sapodilla, Zoogeography.

14783-69
ALEOCHARA VERNA SAY (COL., STAPHYLINIDAE) NEW TO BRITAIN.
R C Weleh
Entomologist (london) 102(1276):207-209
Sep 1969 421 EN8
Insect taxonomy, Staphylinidae.

14784-69
A NOTE ON THE GENUS DROSOPHILELLA DUDA (DIPTERA; DROSOPHILIDAE).
M R Wheeler
Pacific Sci 23(4):544-545
Oet 1969 475 P11
Drosophilidae, Inseet biology, Inseet taxonomy.

14785-69
REMARKS ON THE NOMENCLATURE AND FAUNA OF SOME WEST-PALEARCTIC HAPLOTHRIPS SPECIES. (THYS. PHLAEOTHRIPIDAE). (GE)
R Zur Strassen
Eos 43(3/4):631-644 REF
01 Oet 1968 421 EO7
Haplothrips, Inseet taxonomy, Nomenclature, Phlaeothripidae, Thysanoptera, Zoogeography.

PHYSIOLOGY AND BIOCHEMISTRY

14786-69
THE MAINTENANCE AND DECLINE OF THE LARGE POPULATIONS OF THE AFRICAN MIGRATOR LOCUST, LOCUSTA MIGRATORIA MIGRATORIOIDES (R. AND F.): THE ROLE OF THE PHOTOPERIOD IN DETERMINATIONS OF RECESSIONS. (FR)
F O Albrecht
Acad Sci Compt Rend Ser D 268(22, 1ST SEMESTER):2730-2733
02 Jun 1969 505 P21
Insect physiology, Locusta migratoria, Photoperiodism, Population.

14787-69
THE EFFECT OF TEMPERATURE ON THE PATHOGENICITY OF THE FUNGUS, ASCOSPHAERA APIS, FOR LARVAE OF THE HONEY BEE, APIS MELLIFERA.
L Bailey
162-167
1967 SB932.15
Apis mellifera, Fungus diseases (insects), Larvae, Microbiology, Mortality, Temperature.

14788-69
RESEARCH ON NERVE ACTION IN ANTHERAEA PERNYI GUER. (LEP.) WITH SPECIAL CONSIDERATION OF THE DORSOLONGITUDINAL FLIGHT MUSCLES. (GE)
W Basler
Rev Suisse Zool 76(2):297-362 REF
Jun 1969 410 R324
Antheraea pernyi, Insect physiology, Nervous system. English and French abstracts.

14789-69
ON SOME ASPECTS OF THE BIOLOGY OF ACHETA DOMESTICUS INSECTA, ORTHOPTERA WITH REFERENCE TO THE INFESTATION OF REFUSE TIPS.
J Bate
Pedobiologia 9(4):300-322 REF
1969 56.8 P343
Acheta domesticus, Insect behavior, Insect ecology, Insect flight, Population.

14790-69
PROBLEMS OF RESISTANCE OF THE COLORADO BEETLE IN AUSTRIA. (GE
W Beck
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):160-162
Jan 1969 410.9 G31M
Carbamates, Chlorinated hydrocarbons, Leptinotarsa decemlincata.

14791-69
OCCURRENCE OF SPHAEROLECANIUM PRUNASTRI (FONSCOLOMBE) IN ISRAEL AND DESCRIPTION OF ITS HITHERTO UNKNOWN LARVAL INSTAR.
Y. Ben-Dov
Ann Epiphyt 19(4):615-621
1968 464.9 F84AN
Coccidae, Insect biology, Insect morphology, Larvae, Plums, Weather.

14792-69
THE PARASITISM OF VARIOUS SPECIES OF COCCIDS OF THE LEUCAPIS GENUS IN THE ALPES-MARITIME DEPARTMENT OF FRANCE AND CORSICA. I. INVENTORY AND DISTRIBUTION OF LEUCAPIS GENUS AND THEIR PARASITES (HYMENOPTERA, CHALCIDOIDEA). (FR)
C Benassy
Ann Epiphyt 19(4):659-681 MAP REF
1968 464.9 F84AN
Coccidae, Hymenenoptera, Insect morphology, Parasitic insects, Surveys, Zoogeography. English abstract.

14793-69
DEMONSTRATION OF THE VAGOIAVIRUS BY THE ELECTRON MICROSCOPE AFTER THE DISSOLUTION OF THE INCLUSION BODIES. (FR)
M Bergoin R Scalla J L Duthoit C Vago
63-68
1967 SB932.15
Electron microscopy, Inclusion bodies, Insect diseases, Melolontha melolontha, Vagoiavirus, Virology.

14794-69
THE IDENTIFICATION OF A VIRUS THROUGH THE ELECTRONIC MICROSCOPE: THE SIGMA VIRUS OF DROSOPHILA. (FR)
A Berkaloff
59-62
1967 SB932.15
Drosophila melanogaster, Electron microscopy, Insect diseases, Sigma virus, Virology.

14795-69
ROLE OF VEGETATION IN SEXUAL MATURATION OF THE DESERT LOCUST (SCHISTOCERCA GREGARIA FORSK.).
D R Bhatia P J S Ahluwalia
Plant Protect Bull 19(1):36-37
1967 421 P69
Ascorbic acid, Cauliflower, Insect nutrition, Insect physiology, Jujube, Prosopis, Schistocerca gregaria, Sex, Vegetation.

14796-69
SILKWORM BREEDINGS INFLUENCE CONCERNING RAW SILK PURITY. (POR)
A Borgonovi J R Pedro
Bol Tec Sericult (48):1-13
1966 425.9 SA6B
Bombyx mori, Insect rearing, Silk. English summary.

14797-69
THE ANATOMY AND HISTOLOGY OF THE DIGESTIVE TRACT OF HYPODERMA BOVIS LARVAE (DIPTERA: OESTRIFORMES). (FR)
C Boulard
Soc Entomol Fronce Ann 5(2):371-387 REF
1969 420 F84
Hypoderma bovis, Insect histology, Insect morphology, Larvae, Oestridae. English abstract.

14798-69
CANNIBALISM BY A HERBIVORE , MICROCYLLOEPUS PUSILLUS (COLEOPTERA: ELMIDAE).
H P Brown C M Shoemake
Oklo Acod Sci Proc 48:15
1969 500 OK42
Algae, Bacteria, Cannibalism, Elmidae, Food habits.

14799-69
THE STANDARDIZATION OF BACILLUS THURINGIENSIS: TESTS ON THREE CANDIDATE REFERENCE MATERIALS.
H D Burges et. al.
314-338 REF
1967 SB932.15
Bacillus thuringiensis, Bacteria, Biological assay, Biological control (insects), Insect pests, Methodology, Statistical analysis.

14800-69
THE MALE LINE OF EUPULVINARIA HYDRANGEAE (HOM., COCCIDAE). (FR)
M Canard
Soc Entomol Fronce Ann 5(2):457-460
1969 420 F84
Coccidae, Insect biology, Insect morphology. English abstract.

14801-69
THE FEMALE GENITAL APPARATUS OF RANATRA (HEMIPTERA, RANATRIDAE). (SP)
J A De Carlo
Physis 28(76):199-201
30 Sep 1968 516 SO12
Insect eggs, Oviposition, Ranatra, Reproductive organs. English summary.

14802-69
INFRASTRUCTURAL STUDY OF THE MOLT GLANDS OF LOCUSTA MIGRATORIA MIGRATORIOIDES (R. AND F.). IV. DEVELOPMENT OF THE MOLT GLANDS IN THE COURSE OF SEXUAL MATURATION AND OVARIAN CYCLES IN GREEN SOLITARY ADULTS. (FR)
P Cassier M A Fain-Maurel
Arch Zool Exp Gen 110(2):267-277 REF
15 Jul 1969 410 AR24
Glands (insects), Insect physiology, Locusta migratoria. English and German abstracts.

14803-69
INFRASTRUCTURAL STUDY OF THE MOLT GLANDS IN LOCUSTA MIGRATORIA MIGRATORIOIDES (R. AND F.). III. ON THE PRESENCE OR DEGENERATION OF THE VENTRAL GLANDS IN SOLITARY IMAGOS. (FR)
P Cassier M A Fain-Maurel
Arch Zool Exp Gen 110(2):203-222 REF
15 Jul 1969 410 AR24
Insect evolution, Insect morphology, Locusta migratoria. English and German abstracts.

14804-69
CONTRIBUTION TO THE KNOWLEDGE OF STAURONEMATUS COMPRESSICORNIS (F.). (HYMENOPTERA-TENTHREDINIDAE). (IT)
B Cavalcaselle
Ente Noz Cell Corto Cent Sperim Agr Forest Pubbl 9(4):235-280 REF
1968 16 C332
Arsenic compounds, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Cultural control (insects), Demeton, Insect biology, Irrigation, Lead arsenate, Organophosphorus compounds, Parathion, Tenthredinidae, Tillage. English summary.

14805-69
OCCURRENCE OF HIRSUTELLA VERSICOLOR PETCH ON MANGO LEAF HOPPER (IDIOCERUS SP.) IN INDIA.
B P Chakravarti
Cur Sci 36(19):527-528
05 Oct 1967 475 SC123
Cicadellidae, Entomogenous fungi, Hirsutella, Idiocerus, Morphology.

14806-69
THE INFLUENCE OF THE PHOTOPERIOD ON HEMOLYMPH PROTEIN VARIATIONS IN PIERIS BRASSICAE L. BEFORE THE ONSET OF DIAPAUSE. (FR)
J Claret
Acad Sci Compt Rend Ser D 268(25, 1ST SEMESTER):3126-3129
23 Jun 1969 505 P21
Hemolymph, Insect physiology, Light, Photoperiodism, Picris brassicae, Proteins.

14807-69
EVIDENCE OF AN ALARM PHERMONE IN THE ANT ODONTOMACHUS HAEMATODES (HYM. FORM. PONERINAE). (FR)
P Colombel
Acad Sci Compt Rend Ser D Sci Not 266(8, 1ST SEMESTER):806-807
19 Feb 1968 505 P21
Hormones, Insect behavior, Pheromones, Ponerinae, Secretions.

14808-69
THE INFLUENCE OF FIRE ON THE CARABID POPULATIONS IN THE LAMTO SAVANNAH (IVORY COAST). (FR)
J Daget Ch Lecordier
Soc Entomol Fronce Ann 5(2):315-327
1969 420 F84
Carabidae, Fires, Insect ecology, Population. English abstract.

14809-69
A CONTRIBUTION TO THE UNDERSTANDING OF THE BIOLOGY OF SESAMIA CRETICA LED. (LEPIDOPTERA AGROTIDAE) IN TRIPOLITANIA. (IT)
A Damiano
Riv Agr Subtrop Trop 61(7-9 JUL-SEP):261-270 REF
1967 26 AG82
Agrotidae, Chemical control (insects), Insect behavior, Insect biology, Insect morphology, Insect pests, Reproduction, Sorghum.

14810-69
A BREEDING METHOD FOR CARDIASTHETUS NAZARENUS REUTER (HEMIPT. ANTHOCORIDAE) FED ON EGGS OF ANAGASTA KUEHNIELLA Z. (LEPIDOPT. PYRALIDAE). (FR)
J. Daumal
Ann Epiphyt 19(4):721-726
1968 464.9 F84AN
Anthocoridae, Insect physiology, Insect rearing, Methodology, Predaceous insects, Pyralidae. English abstract

14811-69
FURTHER CHEMICAL CONTROL TESTS AGAINST PARANTHRENE TABANIFORMIS ROTT. (IT)
E De Bellis B Cavalcaselle
Ente Naz Cell Carta Cent Sperim Agr Forest Pubbl 9(4):283-291 REF
1968 16 C332
Chemical control (insects), Dimethoate, Insecticides, Larvae, Lepidoptera, Nurseries, Organophosphorus compounds, Phenthoate. English summary.

14812-69
DESCRIPTION AND LOCATION OF THE LARGE NERVE CELLS IN ICERYA PURCHASI (INSECTA, HOMOPTERA, COCCIDAE). (FR)
R Delavault M Royer C Vion
Paris Soc Biol Compt Rend 163(3):577-581
15 Sep 1969 442.9 P21
Coccidae, Icerya purchasi, Insect physiology, Nervous system.

14813-69
PHALAENOPSIS MITE, TENUIPALPUS PACIFICUS BAKER.
H A Denmark
Fla Dep Agr Div Plant Indus Tri-ology Tech Rep 7(7):11
Jul 1968 423.9 F6622
Chemical control (insects), Chlorinated hydrocarbons, Chlorobenzilate, Dicofol, Ethion, Host indexing (plants), Insect identification, Insect pests, Methyl demeton, Orchidaceae, Organophosphorus compounds, Tenuipalpus, Zoogeography.

14814-69
THE POST-EMBRYONIC ONTOGENY OF ACRIDOMORPHA. (ORTHOPTERA).
V M Dirsh
Eos 43(3/4):413-514 REF
01 Oct 1968 421 EO7
Acrididae, Insect identification, Insect morphology, Nymphs, Ontogeny, Orthoptera. Many species are discussed.

14815-69
FLIGHT CAPACITY OF BLOOD-ENGORGED MOSQUITOES.
J D Edman W L Bidlinemayer
Mosquito News 29(3):386-392 REF
Sep 1969 421 M85
Blood meal, Culex nigripalpus, Insect behavior, Insect collection, Insect flight, Psorophora confinnis.

14816-69
THE SECOND ALL-UNION SYMPOSIUM ON SOIL-FORMING MITES (ORIBATEI).
I Eitminaviciute
Pedobiologia 9(4):349-350
1969 56.8 P343
Insect biology, Oribatei.

14817-69
MEASUREMENT OF FIELD POPULATIONS OF AEDES AEGYPTI WITH THE OVITRAPS IN 1968.
B R Evans G A Bevier
Mosquito News 29(3):347-353
Sep 1969 421 M85
Aedes aegypti, Oviposition, Population, Surveys, Traps.

14818-69
INFRASTRUCTURAL STUDY OF THE CORPORA ALLATA OF LOCUSTA MIGRATORIA MIGRATORIOIDES (R. AND F.), SOLITARY PHASE, DURING SEXUAL MATURATION AND THE OVARIAN CYCLE. (FR)
M-A Fain-Maurel P Cassier
Acad Sci Compt Rend Ser D 268(22, 1ST SEMESTER):2721-2723
02 Jun 1969 505 P21
Corpora allata, Electron microscopy, Insect physiology, Locusta migratoria, Metamorphosis, Reproduction.

14819-69
THE REACTIONS OF THREE SPECIES OF GRASSHOPPER TO SIMPLE VISUAL STIMULI AT DIFFERENT TEMPERATURE-HUMIDITY CONDITIONS.
D Gardefors
Entomol Exp Appl 11(2):185-194 REF
1968 421 EN895
Acrididae, Attractants, Chortippus, Humidity, Insect behavior, Temperature, Vision. German summary.

14820-69
MASS REARING OF CULEX PIPIENS L.
E J Gerberg T M Hopkins J W Gentry
Mosquito News 29(3):382-385
Sep 1969 421 M85
Culex pipiens, Insect rearing, Insect rearing equipment, Methodology.

14821-69
CALIBRATING A FIELD SPRAYER.
J W Glover
N C Pesticide Manual 00(00):151-152
1967 79.8 N81
Dairy equipment, Insecticide application.

14822-69
DEVELOPMENT OF GLYCEMIA IN THE SCORPION ANDROCTONUS AUSTRALIS L. SUBJECTED TO COBALT 60 GAMMA RAYS. (FR)
M Goyffon R Schantz P Niaussat
Paris Soc Biol Compt Rend 163(3):601-605 REF
15 Sep 1969 442.9 P21
Cobalt, Gamma rays, Glycemia, Insect diseases, Insect physiology, Scorpionida.

14823-69
SYSTEMATIC OLIGOPHAGY OF THE CENTRAL-EUROPEAN SPECIES OF THE GENUS LITHOCOLLETIS HBN. AND ARGYRESTHIA HBN. (LEP.) ON PRUNOIDEAE.
F Gregor D Povolny M Rezac
Acta Ent Bohemoslov 60(1-2):81-93 REF
1963 420 C33
Argyresthia, Crop varieties, Insect nutrition, Insect taxonomy, Lithocolletis, Prunus. Czech summary.

14824-69
ARTIFICIAL MULTIPLICATION OF ANTHILLS. (RUS)
N Grudev
Priroda (Sofia) (4 JUL-AUG):49-50
Aug 1969 410 P934
Formicidae, Insect nests, Insect rearing.

14825-69
REPORT OF THE 69TH MEETING OF THE DIVISION OF APPLIED ENTOMOLOGY. (DU)
P Gruys
Entomol Ber 29(6):102
07 Jun 1969 420 N38B
Conferences, Insect stings, Malaria, Mange.

14826-69
RNA AND PROTEIN IN NUCLEOLAR STRUCTURES OF DRAGONFLY OOCYTES.
L Halkka O Halkka
Science 162(3855):803-805 REF
15 Nov 1968 470 SCI2
Corduliidae, Insect biochemistry, Insect cytology, Lysine, Nucleosides, Proteins, Ribonucleic acid, Uridine.

14827-69
REPORT ON THE 28TH FALL ASSEMBLY OF THE NETHERLANDS ENTOMOLOGICAL ASSOCIATION COMBINED WITH THE 70TH MEETING OF THE DIVISION OF APPLIED ENTOMOLOGY. (DU)
W Hellinga
Entomol Ber 29(6):107-108
01 Jun 1969 420 N38B
Conferences, Entomology, Insect physiology, Plant diseases.

14828-69
THE ACTION OF THE ENDOCRINE SYSTEM AND THE OVARY ON THE HEMOGRAM OF LOCUSTA MIGRATORIA L. (ORTHOPTERA). THE ROLE OF THE PARS INTERCEREBRALIS. (FR)
J A Hoffmann A Girardie
Acad Sci Compt Rend Ser D 268(10, 1ST SEMESTER):1427-1429
10 Mar 1969 505 P21
Brain, Hormones, Insect physiology, Locusta migratoria, Ovaries.

14829-69
ON THE PLACE OF THE FIRST MATING IN THE DIFFERENT SEQUENCES OF IMAGINAL ACTIVITY OF ORYCTES RHINOCERAS (COLEOPTERA, SCARABAEIDAE). (FR)
B Hurpin
Acad Sci Compt Rend Ser D 268(22, 1ST SEMESTER):2701-2703 REF
02 Jun 1969 505 P21
Insect behavior, Scarabaeidae, Sex behavior.

14830-69
BIOLOGICAL STUDY OF SOME HYMENOPTERA OF CHILE. (SP)
H Janvier
Chile Univ Centro Estud Entomol Publ (9):58P
1967 420 C432
Beneficial insects, Hymenoptera, Insect biology, Insect identification. English summary.

Translation from Annales des Sciences Naturelles, Zoologie 16(14-23):209-356, 1933. translated by M. Etcheverry, I. Eldestein, and S. Camus.

14831-69
ON THE ULTRASTRUCTURE OF THE EYE OF LITHOBIUS FORFICATUS L. (MYRIAPODA, CHILOPODA). (FR)
R Joly
Acad Sci Compt Rend Ser D 268(26, 1ST SEMESTER):3180-3182
30 Jun 1969 505 P21
Chilopoda, Cytology, Electron microscopy, Eyes, Insect morphology.

14832-69
THE TOXICITY OF CONTACT INSECTICIDES TO SEED-INFESTING INSECTS. TESTS WITH BROMOPHOS ON MAIZE.
P C Joubert P R De Beer
Repub S Afr Dep Agr Tech Serv Tech Commun (SER 6)(84):9P
1968 24 SO863
Bromophos, Chemical control (insects), Corn, Insecticide application, Insecticide resistant insects, Insecticides, Mercapto compounds, Pyrethrum, Storage, Toxicology. Afrikaans summary.

14833-69
LIPIDS OF CULEX PIPIENS FATIGANS DURING METAMORPHOSIS.
R L Kalra B L Wattal T A Venkitasubramanian
Indian J Exp Biol 7(3):154-157 REF
Jul 1969 442.8 IN2

Chromatography, Culex pipiens quinquefasciatus, Insect biochemistry, Insect physiology, Lipids, Metamorphosis, Phospholipids.

14834-69
THE PHENOLOGY OF PHAROSCYMNUS SPP. AND CHILOCORUS BIPUSTULATUS L. (COCCINELLIDAE) IN DATE PALM PLANTATIONS IN ISRAEL.
M. Kehat
Ann Epiphyt 19(4):605-614
1968 464.9 F84AN
Coccinellidae, Insect biology, Population, Predaceous insects, Seasonal variation, Weather.

14835-69
THE IMPORTANCE OF THE SITE OF FOOD UP-TAKE OF PLANT-SUCKING INSECTS FOR USE OF SYSTEMIC INSECTICIDES. (GE)
W Kloft H Kunkel
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):163
Jan 1969 410.9 G31M
Insect behavior, Insect nutrition, Plants, Systemic insecticides. English abstract.

14836-69
BIOLOGY AND EXTERNAL MORPHOLOGY OF FORAGE PESTS. I. TUSSOCK CATERPILLARS, EUPROCTIS SPP. (LYMANTRIIDAE: LEPIDOPTERA).
K S Kushwaha S C Bhardwaj
Indian J Agr Sci 37(2):93-107
Apr 1967 22 AG83I
Economics, Insect ecology, Insect morphology, Life cycle, Lymantriidae, Plant hosts.

14837-69
STUDY OF THE GONADS OF TRIPLOID INTERSEXES OF DROSOPHILA MELANOGASTER. ONTOGENETIC MORPHOLOGICAL DESCRIPTION OF HISTOLOGICAL STRUCTURES. (FR)
G Lauge
Soc Entomol France Ann 5(2):253-314 REF
1969 420 F84
Chromosomes, Drosophila melanogaster, Gonads, Insect histology, Insect morphology. English abstract.

14838-69
THE INFLUENCE OF THE SELECTIVE DESTRUCTION OF THE MICROBIAL FLORA ON THE ACTIVITY OF TWO OXIDASES IN THE XYLOPHAGOUS INSECT IPS SEXDENTATUS. (FR)
A Le Fay A Thuillier C Chararas J-E Courtois
Acad Sci Compt Rend Ser D 268(25, 1ST SEMESTER):3130-3132
23 Jun 1969 505 P21
Insect biochemistry, Insect physiology, Ips sexdentatus, Microorganisms, Oxidases.

14839-69
ENTOMOLOGY IN FORENSIC MEDICINE. (DU)
M Leclercq
Entomol Ber 29(6):104
01 Jun 1969 420 N38B
Arthropoda, Death, Entomology, Medicine, Necrobiosis. English abstract.

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ON THE INSECTICIDAL PROPERTIES OF THE D-TRANS ETHANOCHRYSANTHAMATE OF BENZYL-5-FURYLMETHYL-3. (FR)
J Lhoste F Rauch
Acad Sci Compt Rend Ser D 268(26,1ST SEMESTER):3218-3220
30 Jun 1968 505 P21
Chemical structure, Insecticidal plants, Musca domestica, Sitophilus granarius, Toxicity.

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CONTRIBUTION TO THE BIOLOGICAL STUDY OF XANTHANDRUS COMTUS HARR. (DIPTERA, SYRPHIDAE). (FR)
J-P. Lyon
Ann Epiphyt 19(4):683-693 REF
1968 464.9 F84AN
Insect biology, Insect ecology, Insect rearing, Predaceous insects, Syrphidae. English abstract.

14842-69
BACTERIAL TOXINS.
O Lysenko
219-237 REF
1967 SB932.I5
Bacterial diseases (insects), Biochemistry, Endotoxins, Enzymes, Lecithins, Metabolites, Proteinases, Toxicology, Toxins.

14843-69
ON THE KNOWLEDGE OF THE BIOLOGIC VALENCE OF ONYCHIURUS CARVERNICOLUS AND O. VORNATSCHERI COLLEMBOLA, INSECTA APTERYGOTA . ON TEMPERATURE, HUMIDITY, AND LIGHT REACTIONS. (GE)
K Mais
Pedobiologia 9(4):282-287
1969 56.8 P343
Humidity, Insect behavior, Light, Onychiuridae, Temperature.

14844-69
ALLOMORPHOSIS AND GEOGRAPHY IN INSECT POPULATIONS.
L G Mason
Syst Zool 16(1):90-94 MAP
Mar 1967 410 SY8
Insect morphology, Insect populations, Lamiidae, Sex, Thorax, Zoogeography.

14845-69
A COMPREHENSIVE ELECTRON MICROSCOPIC STUDY OF THE EPICUTICULAR ORNAMENTATION OF THE COLLEMBOLA. (FR)
Z Massoud
Acad Sci Compt Rend Ser D 268(10, 1ST SEMESTER):1407-1409
10 Mar 1969 505 P21
Collembola, Cuticle, Electron microscopy, Histology.

14846-69
FIELD OBSERVATIONS ON FOREST OENEIS (SATYRIDAE).
J H Masters J T Sorensen
Lepidopterists Soc J 23(3):155-161 REF
24 Sep 1969 421 L554
Forest insects, Insect ecology, Satyridae, Surveys.

14847-69
A NOTE ON HELICONIUS ANTIOCHUS SALVINII (NYMPHALIDAE).
J H Masters
Lepidopterists Soc J 23(3):199-201
24 Sep 1969 421 L554
Insect identification, Insect morphology, Nymphalidae.

14848-69
RECORD OF APOLLODOTUS PRAEFECTUS DISTANT (HETEROPTERA: MIRIDAE), PREDACIOUS ON STEPHANITIS TYPICUS DISTANT (HETEROPTERA: TINGIDAE), A PEST OF COCONUT PALM.
K Mathen B Sathiamma C Kurian
Cur Sci 36(2):52
20 Jan 1967 475 SCI23
Coconuts, Miridae, Predaceous insects, Stephanitis.

14849-69
NEW RECORD OF ENTOMOPHTHORA SP. PARASITIC ON RHOPALOSIPHUM MAIDIS (FITCH) AND LUCILIA CUPRINA (WIDEMANN).
S B Mathur R P Srivastava B R S Rao
Cur Sci 36(12):328
20 Jun 1967 475 SCI23
Entomophthora, Fungus diseases (insects), Phaenicia cuprina, Rhopalosiphum maidis.

14850-69
RESISTANCE AGAINST PESTICIDES. (GE)
K Mayer
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):140-153 REF
Jan 1969 410.9 G31M
Arthropoda, Microorganisms, Reviews, Rodents, Weeds. English abstract.

14851-69
THE BIOLOGIES OF THE PSEUDOHYLESINUS TSUGAE AND P. GRANDIS (COLEOPTERA: SCOLYTIDAE) IN WESTERN HEMLOCK.
J H McGhehey W P Nagel
Can Entomol 101(3):269-279 REF
Mar 1969 421 C16
Forest insects, Insect biology, Insect pests, Plant injuries, Scolytidae, Tsuga heterophylla, Zoogeography.

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A LITERATURE REVIEW OF THE SPRUCE, WESTERN, AND 2-YEAR-CYCLE BUDWORMS CHORISTONEURA FUMIFERANA, C. OCCIDENTALIS, AND C. BIENNIS (LEPIDOPTERA: TORTRICIDAE).
M E McKnight
US Forest Serv Rocky Mount Forest Range Exp Sta Pap RM (44):35P REF
1968 A99.9 F7632U
Biological control (insects), Chemical control (insects), Choristoneura, Choristoneura fumiferana, Choristoneura occidentalis, Cultural control (insects), Insect biology, Insect diseases, Insect ecology, Insect populations, Insect taxonomy, Predaceous insects, Predatory birds, Tortricidae, Tree injuries.

14853-69
A VIROSIS WITH OVOID INCLUSIONS IN LEPIDOPTERA. (FR)
G. Meynadier J. Fosset C. Vago J-L. Duthoit N. Bres
Ann Epiphyt 19(4):703-706 REF
1968 464.9 F84AN
Cytology, Electron microscopy, Insect diseases, Oreopsyche, Psychidae. English abstract.

14854-69
AN ANOMALOUS FORELEG IN A MALE OF DODONIDIA HELMSII (SATYRIDAE).
L D Miller
Lepidopterists Soc J 23(3):201-202
24 Sep 1969 421 L554
Insect physiology, Legs, Satyridae.

14855-69
OBSERVATIONS ON THE VARIATIONS IN AMOUNT OF TREHALDSE DURING DIRECT DEVELOPMENT AND DIAPAUSE IN PIERIS BRASSICAE L. (FR)
R Moreau
Acad Sci Compt Rend Ser D 268(10, 1ST SEMESTER):1441-1447
10 Mar 1969 505 P21
Insect physiology, Pieris brassicae, Trehalose.

14856-69
ANATOMIC STUDIES ON THE HYPOPHARYNX OF FORFICULA AURICULARIA L. (INSECTA, DERMAPTERA): TEGUMENTS, MUSCULATURE, SENSE ORGANS, AND INNERVATIONS. MORPHOLOGIC INTERPRETATION. (FR)
M Moulins
Zool Jahrbucher Abt Allg Zool Physiol Tiere 86(1):1-27 REF
1969 410 Z751Z
Cuticle, Forficula auricularia, Insect morphology, Muscles, Nerves, Pharynx, Sense organs. English abstract.

14857-69
ON MASS CULTIVATION, DETERMINATION OF EFFECTIVENESS, AND STANDARDIZATION OF INSECT PATHOGENIC FUNGI.
E Muller-Kogler
339-354 REF
1967 SB932.I5
Biological control (insects), Culture media, Entomogenous fungi, Insect diseases, Methodology, Rearing, Spore germination. German summary.

14858-69
A FURTHER FIELD EXPERIMENT REGARDING THE EFFECT OF FENTIN ACETATE, MANEB AND COPPER OXYCHLORIDE FUNGICIDES ON THE POPULATION DENSITY OF THE COLORADO BEETLE (LEPTINOTARSA DECEMLINEATA SAY.). (FR)
R Murbach
Switzerland Stat Essais Agr Lausanne Publ (792):345-357 REF
Dec 1967 105.5 SW63
Copper oxychloride, Fentin acetate, Fungicides, Fungus diseases (plants), Insect nutrition, Insect populations, Late blight, Leptinotarsa decemlineata, Maneb, Potatoes, Thiocarbamates, Virus diseases (plants). English and German summaries.
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S Musa G Dosse M Tebcherany
Magon (SER)(20):27P REF
May 1968 S19.M3
Apples, Bionomics, Fruit trees, Insect pests, Integrated control (insects), Panonychus ulmi, Predaceous insects. French summary.

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ON THE CLASSIFICATION OF THE INSECT PARASITIC NEMATODES OF THE SPHAERULARIIDAE LUBBOCK, 1861 (TYLENCHOIDEA: NEMATODA).
W R Nickle
Helminthol Soc Wash Proc 34(1):72-94 REF
Jan 1967 436.9 H36
Biology, Insect diseases, Insects, Nematodes, Parasitism, Sphaerulariidae, Taxonomy.

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THE INFLUENCE OF CITRICULTURAL PRACTICES ON THE COMPOSITION OF SOIL ACARI AND COLLEMBOLA POPULATIONS.
P G Olivier P A J Ryke
Pedobiologia 9(4):277-281
1969 56.8 P343
Acarina, Citrus, Collembola, Population, Surveys.

14862-69
INTERSPECIFIC INHIBITIONS RELEASED BY FERTILIZED FEMALES OF THE ANT PARASITES PLAZIOLEPIS XENE ST. AND PLAZIOLEPIS GRASSEI LE MAS. PAS.. (FR)
L Passera
Acad Sci Compt Rend Ser D Sci Nat 265(22, 2ND SEMESTER):1721-1724 REF
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Formicidae, Insect behavior, Insect evolution, Oviposition.

14863-69
LEPIDOPTERA ASSOCIATED WITH PIG CARRION.
J A Payne E W King
Lepidopterists Soc J 23(3):191-195 REF
24 Sep 1969 421 L554
Baby pigs, Carcasses, Lepidoptera, Surveys.

14864-69
PATHOGENICITY STUDIES OF NEOAPLECTANID NEMATODES AND THEIR USE FOR INSECT CONTROL.
G O Poinar
197-199 REF
1967 SB932.I5
Achromobacter nematophilus, Biological control (insects), Insect diseases, Insect pests, Nematodes, Neoaplectana.

14865-69
THE ACTION OF DIFFERENT FACTORS ON THE NUMBER OF LARVAL STAGES IN THE TOMATO NIGHT MOTH HELICOVERPA ARMIGERA HBN. (FR
S Poitout R Cayrol
Soc Entomol France Ann 5(2):407-427
1969 420 F84
Insect nutrition, Insect physiology, Insect rearing, Larvae, Lepidoptera, Light, Metamorphosis, Temperature. English abstract.

14866-69
CHLORIDEA. (RUS)
V Popova
Priroda (Sofia) (4 JUL-AUG):62-64
Aug 1969 410 P934
Insect biology, Lepidoptera.

14867-69
TRENDS OF MITE POPULATIONS IN LOWER RIO GRANDE VALLEY CITRUS GROVES IN 1962-63 AND 1966-67.
D K Reed S J Ingle W G Hart J W Balock
Rio Grande Val Hort Soc J 21:16-27
1967 81 L95
Citrus, Coccus hesperidum, Eutetranychus banksi, Insect pests, Insect populations, Phyllocoptruta oleivora, Surveys.

14868-69
EVALUATION OF SOME SPRAY OILS USED ON CITRUS IN TEXAS.
R B Reinking
Rio Grande Val Hort Soc J 21:28-34
1967 81 L95
Chemical control (insects), Citrus, Coccoidea, Oils, Plant protection, Spraying.

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MAKING TESTS BY RADIOACTIVE PHOSPHOROUS P32 FOR THE ABSOLUTE ESTIMATIONS OF LARVAL POPULATIONS OF CULICIDS (DIPTERA-CULICIDAE). (FR)
J A Rioux H Croset P Suquet S Tour
Vie Milieu Ser C Biol Terrestre 19(1-C):55-62 REF
1968 QH301.V5
Culicidae, Larvae, Methodology, Phosphorus, Population statistics, Radioactive tracers. English and German abstracts.

14870-69
INJURIOUS INSECTS IN 1968. (DU)
G van Rossem H C Burger C F van de Bund
Entomol Ber 29(6):111-114
01 Jun 1969 420 N38B
Insect pests, Surveys, Zoogeography. English abstract.

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REPORT TO THE GOVERNMENT OF MADAGASCAR ON LOCUST CONTROL.
J Roy
Food Agr Organ UN ETAP Rep (2560)11P MAP
1968 281.9 F733E
Habitats, Insect control, Insect ecology, Insect populations, Locusta migratoria, Nomadacris septemfasciata, Reports, Zoogeography.

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STUDIES ON BIONOMICS AND CONTROL MEASURES OF CNAPHALOCROCIS MEDINALIS GUENEE; PRELIMINARY REPORT.
K Sakai Y Ikeda T Sameshima
34P REF
TRANSL. 16979
Bionomics, Chemical control (insects), Chlorinated hydrocarbons, Insect ecology, Insect pests, Nicotine, Plant injuries, Pyrethrum, Rice, Rotenone, Surveys, Zoogeography. Translation from Ohyo-Konchu 4(1), 1942. translated by Takasi Ogawa.

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ARE HONEYBEES DEFICIENT IN PHOSPHOMANNOSE ISOMERASE .
S A Saunders R W Gracy K D Schnackerz E A Noltmann
Science 164(3881):858-859
16 May 1969 470 SCI2
Apis mellifera, Bee diseases, Deficiency diseases, Enzymes, Insect physiology, Isomerases, Mannose, Phosphorus compounds.

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ISOLATION, PURIFICATION AND TOXICITY OF A THERMOSTABLE EXOTOXIN FROM THE STRAIN OF BACILLUS GELECHIAE AUCT.
K Sebesta K Horska J Vankova
238-242
1967 SB932.I5
Bacillus, Galleria mellonella, Insect biochemistry, Isolates, Methodology, Toxins.

14875-69
AN INTENSE ELECTRON MICROSCOPE STUDY OF THE PARS STRIDENS OF THE ENSIFORM ORTHOPTERA. (FR)
R Sellier
Acad Sci Compt Rend Ser D 268(257:1ST SEMESTER):3084-3087
23 Jun 1969 505 P21
Electron microscopy, Insect morphology, Orthoptera, Stridulation.

14876-69
OCCURRENCE OF GYNANDROMORPHISM IN TASAR SILKMOTH (ANTHERAEA MYLITTA DRURY).
S K Sen M S Jolly
Cur Sci 36(14):385-386
20 Jul 1967 475 SCI23
Antheraea, Gynandromorphism, Insect physiology, Reproductive organs.

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AN EXTREME PHENOTYPE OF PIERIS PROTODICE)PIERIDAE).
A M Shapiro
Lepidopterists Soc J 23(3):189-190
24 Sep 1969 421 L554
Insect morphology, Pieris, Temperature.

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CHOLINESTERASE IN THE BRAIN OF THE CERCROPIA SILKMOTH DURING METAMORPHOSIS AND PUPAL DIAPAUSE.
D G Shappirio D M Eichenbaum B R Locke
Biol Bull 132(1):108-125 REF
Feb 1967 442.8 B52
Antheraea polyphemus, Cholinesterases, Histochemistry, Hyalophora cecropia, Insect biochemistry, Insect physiology, Metamorphosis, Samia cynthia.

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POPULATION DYNAMICS OF RICE STINK-BUG (LEPTOCORISA VARICORNIS FABR.) IN RELATION TO WEATHER FACTORS.
M P Singh S Chandra
Indian J Agr Sci 37(2):112-119 REF
Apr 1967 22 AG831
Humidity, Insect ecology, Leptocorisa varicornis, Population, Rainfall, Temperature, Weather.

14880-69
PARASITES ON THE GALLS OF DASYNEURA LARICIS (F. LOEW.); DIPTERA, ITONIDIDAE.
M Skuhrava V Skuhravy
Anz Schadlingskunde 40(10):152-153
Oct 1967 421 AN9
Dasineura, Forest insects, Larvae, Parasitism, Plant galls, Predaceous insects.

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THE ISOLATION OF THE CALOVO VIRUS FROM THE MOSQUITOES OF THE GROUP ANOPHELES MACULIPENNIS IN SOUTHERN MORAVIA.
A Smetana V Danielova J M Kolman D Malkova J Minar
J Hyg Epidemiol Microbiol Immunol 11(1):55-59
1967 448.8 J826
Anophcles, Anopheles maculipennis, Calovo virus, Culture media, Human diseases, Insect vectors, Serological tests, Virus diseases (animals).

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THE EFFECT OF ACCLIMATION AND GLYCEROL INJECTION ON MORTALITY

AND PUPATION IN LARVAE OF EPHESTIA KUEHNIELLA AFTER EXPOSURES AT LOW TEMPERATURES.
L Somme
Entomol Exp Appl 11(2):143-148
1968 421 EN895
Ephestia, Glycerol, Insect acclimatization, Larvae, Mortality, Temperature. German summary.

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BIOLOGICAL CONTROL OF SUGAR CANE APHID PESTS IN THE WEST INDIES (HOMOPTERA, APHIDOIDEA; HYMENOPTERA, APHIDIIDAE). PART II.
P Stary
Riv Agr Subtrop Trop 61(4-6,APR-JUN):115-130 REF
1967 26 AG82
Aphididae, Biological control (insects), Braconidae, Habitats, Insect pests, Parasitism, Sugarcane. Italian, French and Spanish summaries.

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THE PROBLEM OF RESISTANCE AGAINST INSECTICIDES IN CONNECTION WITH INTEGRATED METHODS FOR PLANT PROTECTION. (GE
H Steiner
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):154-157
Jan 1969 410.9 G31M
Acaricides, Dosage, Insecticide resistant insects, Integrated control (insects). English abstract.

14885-69
STUDY OF COLD RESISTANCE AND ACCLIMATIZATION CAPACITY IN PSYLLA BUXI L. (HOMOPTERA; PSYLLIDAE). (FR)
N Thanh-Xuan
Acad Sci Compt Rend Ser D 268(10, 1ST SEMESTER):1410-1413
10 Mar 1969 505 P21
Insect physiology, Psyllidae, Temperature.

14886-69
STUDY OF THE PHENOMENA RESULTING FROM PUTTING IN COMPETITION THE DIFFERENT REGENERATION AREAS OF THE ANTENNAE OF THE PHASMID SIPYLOIDEA SIPYLUS WESTWOOD. (FR)
J Urvoy
Acad Sci Compt Rend Ser D 268(26, 1ST SEMESTER):3199-3202
30 Jun 1969 505 P21
Antennae, Insect physiology, Phasmatidae, Regeneration.

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A STUDY OF THE BIONOMICS OF LYMANTRIA AMPLA WLK. (LYMANTRIIDAEI LEPIDOPTERA).
G K Veeresh M Puttarudraiah
Mysore J Agr Sci 2(2):61-69
1968 S19.M9
Attractants, Insect biology, Insect morphology, Insect pests, Lymantria, Scent glands.

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ON THE MODE OF ACTION OF ASPERGILLUS, PARASITES OF INSECT WOUNDS. (FR)
A Vey C Vago P Delanoue
248-249
1967 SB932.15
Aspergillus, Ceratitis capitata, Entomogenous fungi, Injuries, Insect diseases, Parasitism.

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DEFENSIVE REACTION OF CELLS IN WOUND INFECTIONS CAUSED BY MUCOR HIEMALIS WEHMER. (FR)
A. Vey
Ann Epiphyt 19(4):695-702 REF
1968 464.9 F84AN
Cytology, Entomogenous fungi, Galleria mellonella, Hemolymph, Insect diseases, Insect physiology, Larvae, Mucor. English abstract.

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THE COLEOPTERA IN THE SOIL OF SUGAR BEET FIELDS ON CHERNOZEM AND MEADOW MOULD IN THE NORTH-EAST AREA OF YUGOSLAVIA. (FR)
P Voukassovitch D Camprag J Djurkic R Sekulic
Pedobiologia 9(4):342-348 REF
1969 56.8 P343
Coleoptera, Sugar beets. English abstract.

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EVIDENCE OF BLUE AND GREEN PIGMENTS IN THE LEPIDOPTERA. SYSTEMATIC RESEARCH ON PTEROBILINE IN VARIOUS RHOPALOCERUS. (FR)
M Vuillaume M Barbier
Paris Soc Biol Compt Rend 163(3):591-593
15 Sep 1969 442.9 P21
Butterflies, Insect biochemistry, Pigments.

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THE OPTICAL ORIENTATION TO BLACK AND WHITE PATTERNS IN DIFFERENT SIZE GROUPS OF CATAGLYPHIS BICOLOR FAB. (FORMICIDAE, HYMENOPTERA). (GE)
R Wehner
Rev Suisse Zool 76(2):371-382 REF
Jun 1969 410 R324
Cataglyphis bicolor, Eyes, Insect behavior, Optics. English and French abstracts.

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BIOLOGY OF THAUMETOPOEA WILKINSONI TAMS IN JORDAN. (GE)
I K A Yaman
Anz Schadlingskunde 40(10):154-156
Oct 1967 421 AN9
Cultural control (insects), Insect biology, Insect pests, Metamorphosis, Pinus, Thaumetopoea, Tree injuries. English summary

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TERMINAL CHROMOSOME REARRANGEMENTS IN CHIRONOMUS RIPARIUS.
B G Blaylock P G Koehler
Amer Natur 103(933,SEP-OCT):547-551
Oct 1969 470 AM36
Chironomus, Chromosomes, Cytogenetics, Insect genetics.

14895-69
STUDIES ON GENETIC ORGANIZATION IN HIGHER ORGANISMS: I. ANALYSIS OF A COMPLEX GENE IN DROSOPHILA MELANOGASTER.
A Chovnick V Finnerty A Schalet P Duck
Genetics 62(1):145-160 REF
May 1969 442.8 G28
Drosophila melanogaster, Genes, Insect genetics.

14896-69
ON THE ETIOLOGY OF THE STERILITY OF HYBRIDS BETWEEN CERTAIN STRAINS OF DROSOPHILA PAULISTORUM.
L Ehrman D L Williamson
Genetics 62(1):193-199 REF
May 1969 442.8 G28
Drosophila paulistorum, Insect genetics, Sterility.

14897-69
GENETIC CONTROL OF PATTERN DETERMINATION IN DROSPHILA. II. NONRANDOM DISTRIBUTION OF MOSAIC TISSUES.
F J Gottlieb
Genetics 62(1):135-144 REF
May 1969 442.8 G28
Drosophila, Insect genetics, Insect physiology, Mitosis.

14898-69
THE MEIOTIC ORIGIN OF SPONTANEOUS CROSSOVERS IN DROSOPHILA ANANASSAE MALES.
P G Kale
Genetics 62(1):123-133 REF
May 1969 442.8 G28
Drosophila ananassae, Insect genetics, Meiosis.

14899-69
THE CAPACITY OF THE FOURTH CHROMOSOME OF DROSOPHILA MELANOGASTER TO ESTABLISH END-TO-END CONTACTS WITH THE OTHER CHROMOSOMES IN SALIVARY-GLAND CELLS.
B P Kaufmann H Gay
Chromosoma 26(4):395-409 REF
29 May 1969 442.8 C46
Chromosomes, Cytogenetics, Drosophila melanogaster, Insect genetics, Salivary glands.

14900-69
THERMAL ACCLIMATION AND HEAT RESISTANCE IN DROSOPHILA SPECIES.
R Levins
Amer Natur 103(933, SEP-OCT):483-499 REF
Oct 1969 470 AM36
Drosophila, Insect adaptation, Temperature.

14901-69
COMPARATIVE STUDIES OF PHENOL OXIDASE ACTIVITY DURING PUPAL DEVELOPMENT OF THREE LOZENGE MUTANTS (LZ8, LZ, LZK) OF DROSOPHILA MELANOGASTER.
E E Peeples A Geisler Whitcraft C P Oliver
Genetics 62(1):161-170 REF
May 1969 442.8 G28
Alleles, Drosophila melanogaster, Enzymes, Insect genetics.

14902-69
CHROMOSOME NUMBER IN TASAR SILKWORM ANTHERAEA MYLITTA DRURY.
S S Sinha M S Jolly
Cur Sci 36(13):359
05 Jul 1967 475 SCI23
Antheraea, Chromosomes, Insect genetics, Insect taxonomy.

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THE RUBY EYE-COLOR MUTANT IN THE HOUSE FLY, MUSCA DOMESTICA L., A CASE OF DUPLICATE GENES.
D E Wagoner
Genetics 62(1):103-113
May 1969 442.8 G28
Eyes, Genes, Insect genetics, Musca domestica.

14904-69
LINKAGE GROUP-KARYOTYPE CORRELATION IN THE HOUSE FLY, MUSCA DOMESTICA L., CONFIRMED BY CYTOLOGICAL ANALYSIS OF X-RAY INDUCED Y-AUTOSOMAL TRANSLOCATIONS.
D E Wagoner
Genetics 62(1):115-121
May 1969 442.8 G28
Cytogenetics, Insect genetics, Musca domestica.

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14905-69
THREE ESTUARINE KILLIFISH AS FRESH WATER MOSQUITO LARVIVORES.
J M Doll T F Bast
Mosquito News 29(3):365-367
Sep 1969 421 M85
Biological control (insects), Culicidae, Fish, Food habits, Habitats, Larvae.

14906-69
A TECHNIQUE FOR ULV INSECTICIDE APPLICATION FROM HIGH ALTITUDES.
W C Machado E S Bordes A J Blake G T Carmichael
Mosquito News 29(3):353-360
Sep 1969 421 M85

Aedes sollicitans, Aircraft, Chemical control (insects), Insecticides, Naled, Ultra low volume application.

14907-69

EVALUATION OF THE ULTRA-LOW VOLUME AERIAL SPRAY TECHNIQUE BY USE OF CAGED ADULT MOSQUITOES.

C B Rathburn A J Rogers A H Boike R M Lee

Mosquito News 29(3):376-381 REF

Sep 1969 421 M85

Aedes taeniorhynchus, Aerial spraying, Biological assay, Chemical control (insects), Culex nigripalpus, Insecticides, Malathion, Naled, Spray technique, Ultra low volume application.

14908-69

MOSQUITO CONTROL IN UTAH BY SHORE LINE MODIFICATION.

D M Rees R N Winget

Mosquito News 29(3):368-370

Sep 1969 421 M85

Culicidae, Insect control, Insect ecology, Watershed management.

14909-69

POSSIBLE COURSES FOR THE DISAPPEARANCE OF MALARIA IN THE NETHERLANDS. (DU)

H A van Seventer

Entomol Ber 29(6):105-106

01 Jun 1969 420 N38B

Insect ecology, Insect vectors, Malaria, Population. English abstract.

14910-69

ULV SPRAY APPLICATION OF PESTICIDES--A STEP TOWARDS ECONOMICAL PLANT PROTECTION. (GE)

L K Simon

Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):205-207

Jan 1969 410.9 G31M

Culicidae, Malathion, Spray technique, Spraying, Ultra-low-volume spraying. English abstract.

14911-69

ACTION OF AMINE OVICIDES ON AEDES AEGYPTI MOSQUITOES.

D P Wilton R W Fay

Mosquito News 29(3):361-365

Sep 1969 421 M85

Aedes aegypti, Chemical control (insects), Insect eggs, Insect physiology, Ovicides.

CROP PROTECTION

14912-69

ECOLOGY OF PLANT PROTECTION PRODUCTS, A MOST IMPORTANT TASK OF ENVIRONMENTAL RESEARCH ON THE INTERNATIONAL LEVEL. (GE

F Beran

Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37)11-19

Jan 1969 410.9 G31M

Pesticides, Plant ecology, Reviews.

14913-69

ON PLANT PROTECTION IN SPECIAL CULTURES WITH PARTICULAR REGARD TO THE BAVARIAN CONDITIONS. (GE)

R Diereks

Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):90-98 REF

Jan 1969 410.9 G31M

Integrated control (insects), Integrated control (pests), Plant disease control, Plants, Reviews. English abstract.

14914-69

GROWTH REGULATION IN FRUIT BODIES OF AGARICUS BISPORUS.

H E Gruen

Mushroom Sci 6:103-120 REF

1965 80 M972

Agaricaceae, Fungus cultures, Growth factors, Mushrooms, Plant physiology, Plant regulators, Plant tissues. French and German summaries.

14915-69

PRESENT PROBLEMS OF PLANT PROTECTION IN PEPPERMINT. (GE)

H Gunther K Trojan F Sprau

Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):129-131

Jan 1969 410.9 G31M

Chemical control (weeds), Mentha piperita, Plant nematodes, Plant protection, Puccinia menthae, Rust. English abstract.

14916-69

HISTORY OF COACHELLA VALLEY PEST CONTROL DISTRICT.

R M Howie H L Heard

Sunkist Pest Contr Circ (373):2

Dec 1968 423.9 C12E

Citrus, Citrus red scale, Costs, History, Pest control, Plant protection.

14917-69

A SELECTIVE MEDIUM FOR ISOLATION OF HELICOBASIDIUM MOMPA TANAKA. (JA)

H Ieki

Sansi-kenkyu (62):26-31

Jan 1967 425.9 J273S

Culture media, Fungi, Helicobasidium mompa, Isolates, Plant extracts, Potatoes. English summary.

14918-69

PROCEEDINGS OF THE FIRST SCIENTIFIC SYMPOSIUM ON THE CULTIVATED MUSHROOM AND THE SIXTH INTERNATIONAL CONGRESS ON MUSHROOM SCIENCE, AMSTERDAM.

Mushroom Sci 6:585P

1965 80 M972

Economic plants, Mushrooms, Symposia.

14919-69

ISOLATION OF SECURININ FROM THE HERB OF SECURINEGA SUFFRUTICOSA (PALL.) REHD. CULTIVATED IN POLAND. POLYMORPHISM OF SECURININ. (POL)

F Kaczmarek

Poznan Inst Przemyslu Zielarskiego Biul 13(4):163-170

1967 451 P87

Isolates, Plant biochemistry, Plant extracts, Polymorphism, Securinega. Russian and English summaries.

14920-69

DEVELOPMENT OF THE MOST IMPORTANT DISEASES AND PESTS OF CROPS GROWN IN POLAND IN THE YEAR 1966 AND FORCAST OF THEIR APPEARANCE IN THE YEAR 1967. (POL)

F Kagan K Piekarczyk A Studzinski

Poznan Inst Ochrony Roslin Biul 35:5-107 MAP

1967 464.9 P87

Insect outbreak forecasting, Insect pests, Maps, Plant diseases, Surveys.

14921-69

CONTRIBUTION TO THE STUDY OF THE FUNGI FLORA OF THE SOILS OF KATANGA. (FR)

C Lanneau J-A Meyer P Staner

Brussels Acad Roy Sci Outre-mer Bull Seances 3:540-545

1967 504 B836

Ascomycetes, Deuteromycetes, Phycomycetes, Plant geography, Plant taxonomy, Soil fungi, Soil sampling.

A list of 170 species of fungi which were identified is included.

14922-69

PROBLEMS OF STORING PLANT DISEASE DATA FOR RETRIEVAL BY AUTOMATIC DATA PROCESSING MACHINES.

W Q Loegering

Wash Agr Exp Sta Sta Bull (705):6P

Dec 1968 100 W27E

Classification, Information retrieval systems, Methodology, Plant breeding, Plant diseases.

14923-69

EXPERIMENTS SUMMARY BEANS: 1966.

36P

Dec 1967 91.56 P312

Beans, Crop varieties, Fertilizers, Plant physiology, Plant protection, Seed germination, Tillage, Weed control.

14924-69

INFLUENCE OF APICAL DOMINANCE ON BUD DORMANCY IN WESTERN IRONWEED.

C J Scifres M K McCarty

N Cent Weed Contr Conf Res Rep 24:11-12

1967 79.9 N81R

Plant budding, Plant dormancy, Plant physiology, Rhizomes, Stem, Vernonia.

14925-69

SPROUTING OF WESTERN IRONWEED BUDS AS AFFECTED BY THEIR AGE AND POSITION OF THE RHIZOME.

C J Scifres M K McCarty

N Cent Weed Contr Conf Res Rep 24:13

1967 79.9 N81R

Emergence, Plant budding, Plant physiology, Plant senescence, Rhizomes, Vernonia.

14926-69

FUNDAMENTAL STUDIES ON ERGOTIAL FUNGI, (6). FUNGI EDIPHYTIC AND PARASITIC ON ERGOT AND HONEYDEW. (JA)

S Tanda

J Agr Sci (Setagaya) 12(3/4):115-126 REF

Mar 1968 22.5 J824

Cladosporium, Claviceps, Ergot, Fungi, Fusarium, Grasses, Honeydew, Moniliales, Parasitism. English summary.

14927-69

INITIATION OF PINHEADS IN PSILOCYBE PANAEOLIFORMIS CAUSED BY CERTAIN BACTERIA.

T Urayama

Mushroom Sci 6:141-155 REF

1965 80 M972

Bacillus, Bacteria, Growth factors, Metabolites, Mushrooms, Plant growth inhibitors. French and German summaries.

14928-69

ECONOMIC LOSSES FROM WATER EROSION ON AGRICULTURAL LAND. (CZ

V Vesely

Praze So Vysoke Sk Zemed (SER A):485-505 REF

1966 S13.P72

Costs, Crop losses, Land, Soil erosion, Water. German and Russian summaries.

14929-69

YORLEX FOR PLASTIC GREENHOUSE SOIL FUMIGATION.

J C Wells

N C Pesticide Manual 00(00):137

1967 79.8 N81

Chemical control (plant diseases), Chlorinated hydrocarbons, Fungi, Greenhouses, Methyl isothiocyanate, Nematodes, Soil fumigation, Soil insects, Synergists, Weeds.

DISEASES

14930-69

LIMB BLIGHT DISEASE CAUSED BY CORTICUM SALMONICOLOR B. AND BR..

S A Alfieri

Fla Dep Agr Div Plant Indus Tri-ology Tech Rep 7(7):13-14

Jul 1968 423.9 F6622

Blight, Corticum salmonicolor, Fungus diseases (plants).

14931-69
VIRUS DISEASE PROBLEMS IN ONTARIO FRUIT ORCHARDS AND VINEYARDS.
W R Allen T R Davidson
Canada Agr 14(1,WINTER):18-20
1969 7 R31
Fruit, Grape vineyards, Necrotic ringspot virus, Plant disease control, Plant disease transmission, Sour cherry yellows, Virus diseases (plants).

14932-69
EFFECT OF GAMMA-RADIATION ON CALLUS GROWTH OF PHYLLOXERA GALL AND NORMAL GRAPE STEM TISSUES IN CULTURE.
H C Arya A C Hildebrandt
Indian J Exp Biol 7(3):158-162 REF
Jul 1969 442.8 IN2
Callus (plants), Gamma rays, Grapes, Phylloxera, Plant physiology, Tissue culture.

14933-69
ORNAMENTAL AND FLORAL CROPS DISEASE CONTROL.
R Aycock R D Milholland J C Wells H R Garriss
N C Pesticide Manual 00(00):89-93
1967 79.8 N81
Chemical control (plant diseases), Dusting, Ornamental plants, Plant diseases, Spraying.

14934-69
EXPERIMENTS WITH SOIL DISINFECTANTS FOR CASING MATERIAL AND THEIR EFFECT ON YIELD.
K Bech C R Rasmussen
Mushroom Sci 6:515-521
1965 80 M972
Chemical control (plant diseases), Chloropicrin, Crop yields, Formaldehyde, Fungus diseases (plants), Mushrooms, Mycogone, Sodium N-methyldithiocarbamate, Soil sterilization, Thiocarbamates. French and German summaries.

14935-69
NOTE ON THE PRESENCE OF THE BARLEY YELLOW DWARF IN FRANCE. (FR)
M. Bogavac M-T. Cousin J-p. Moreau D. Spire
Ann Epiphyt 19(OUTSIDE SERIES):275-277
1968 464.9 F84AN
Barley, Homoptera, Insect vectors, Virus diseases (plants), Yellow dwarf. English and German abstracts.

14936-69
INTEGRATED CONTROL OF HOP WILT III. ON THE EFFECT OF SLUDGE COMPOST AGAINST VERTICILLIUM ALBOATRUM. (GE)
E Bucher
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):103-104
Jan 1969 410.9 G31M
Cultural control (plant diseases), Hops, Verticillium albo-atrum, Wilt. English abstract.

14937-69
RUST, TRANZSCHELIA DISCOLOR (FCKL.) TRANZ. AND LITV., ON PEACH, PRUNUS PERSICA (L.) BATSCH.
H C Burnett
Fla Dep Agr Div Plant Indus Tri-ology Tech Rep 7(5):17-18
May 1968 423.9 F6622
Anemone, Fungus diseases (plants), Peaches, Ranunculaceae, Rust, Uredinales.

14938-69
SEROLOGICAL STUDY ON BRUCELLOSIS AND LEPTOSPIROSIS IN SWINE OF THE ORIENTAL REPUBLIC OF URUGUAY. (SP)
R M Caffarena M Agorio J Barriola
Montevideo Univ Fac Vet Urug An 11(9):93-102 MAP
Feb 1968 41.9 M764
Bacterial diseases (animals), Brucellosis, Leptospirosis, Livestock diseases, Serological tests, Swine. English summary.

14939-69
STRAWBERRY DISEASE CONTROL.
C N Clayton J C Wells
N C Pesticide Manual 00(00):75
1967 79.8 N81
Chemical control (pests), Fungus diseases (plants), Nematodes, Strawberries.

14940-69
DISCONTINUOUS TRANSMISSION OF CLOVER PHYLLODY BY EUSCELIS PLEBEJUS FALL. (FR)
M-T. Cousin J-P. Moreau C. Grison
Ann Epiphyt 19(OUTSIDE SERIES):115-120 REF
1968 464.9 F84AN
Cicadellidae, Clover, Insect vectors, Phyllody, Plant disease transmission, Virus diseases (plants). English and German abstracts.

14941-69
CONTRIBUTION TO THE SEROLOGICAL STUDY OF PLANT VIRUSES BY THE AGAR DOUBLE DIFFUSION TECHNIQUE. II.--RELATIONSHIPS BETWEEN THE FRENCH BROAD BEAN MOSAIC VIRUS (MF) AND THE RED CLOVER MOTTLE VIRUS (RCMV). (FR)
J C Devergne L Cardin
Ann Epiphyt 19(OUTSIDE SERIES):37-67 REF
1968 464.9 F84AN
Antibodies, Antigens, Broadbeans, Mosaic, Red clover mottle virus, Serological tests, Virus diseases (plants). English and German abstracts.

14942-69
ON THE ANTIPHYTOPATHOGENIC POTENCY OF SOIL IN CONNECTION WITH INCREASE OF GROWING CEREALS IN CROP ROTATION. (GE)
R Diercks G Bachthaler
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):33-35 REF
Jan 1969 410.9 G31M
Crop rotation, Cultural control (plant diseases), Plant disease resistance. English abstract.

14943-69
SELECTION, ADJUSTMENT, AND CARE OF SPRAYING AND DUSTING EQUIPMENT.
J C Ferguson J W Glover
N C Pesticide Manual 00(00):146-150
1967 79.8 N81
Chemical control (plant diseases), Dairy equipment, Dusting, Pesticide application, Spraying.

14944-69
CHANGES IN CONCENTRATION OF FREE AMINO ACIDS BY SELECTION FROM YELLOWS INFECTED SUGARBEET LEAVES.
J M Fife
Amer Soc Sugar Beet Technol J 15(3):259-262
Oct 1968 66.9 AM35J
Amino acids, Plant biochemistry, Sugar beets, Virus diseases (plants), Yellows.

14945-69
STRUCTURES OF THE X CORPUSCLES IN LEAF TUMOR OF FIDJI DISEASED SUGARCANES. (FR)
J Giannotti Monsarrat C Vago
Ann Epiphyt 19(OUTSIDE SERIES)31-36
1968 464.9 F84AN
Electron microscopy, Plant histology, Sugarcane, Virus diseases (plants). English and German abstracts.

14946-69
HISTOLOGICAL AND HISTOCHEMICAL STUDY OF THE TUMOR OF SUGAR CANE AFFECTED BY THE FIDJI DISEASE. (FR)
J. Gianotti P. Monsarrat
Ann Epiphyt 19(4):707-712 REF
1968 464.9 F84AN
Electron microscopy, Histochemistry, Plant diseases, Plant galls, Plant histology, Proteins, Sugarcane, Virus diseases (plants). English abstract.

14947-69
BEAN (PHASEOLUS MUNGO L.) CERCOSPORIOSIS IN SOMALIA. (IT)
C Golato
Riv Agr Subtrop Trop 41(4-6,APR-JUN):159-162 REF
1967 26 AG82
Beans, Cercospora, Fungus diseases (plants), Plant protection. English, French and Spanish summaries.

14948-69
POSSIBLE OCCURRENCE OF TUNGRO AND YELLOW DWARF VIRUSES ON RICE IN MYSORE.
H C Govindu H M Harris R C Yaraguntaiah
Mysore J Agr Sci 2(2):125-127
1968 S19.M9
Epidemiology, Rice, Symptomatology, Tungro disease, Virus diseases (plants), Yellow dwarf.

14949-69
CONTRIBUTION TO THE BIOLOGY OF BRUNCHORSTIA PINEA (KARST.) HOHN., THE CAUSE OF A DIE-BACK IN AUSTRIAN AND CORSICAN PINE. (DU)
J Gremmen
Sticht Bosbouwproefsta Dorschkamp Korte Mededel (94):221-231 REF
1968 99.9 W122
Climate, Dieback, Disease transmission, Fungus diseases (plants), Pinus, Pinus nigra, Pinus nigra poiretiana, Plant physiology, Temperature, Tree diseases. English summary.

14950-69
IS EXCLUSIVE HYPOVIRULENCE CONTROLLED BY CYTOPLASMIC DETERMINANTS . (FR)
J Grente S Sauret
Acad Sci Compt Rend Ser D 268(26, 1ST SEMESTER):3173-3176
30 Jun 1969 505 P21
Cytology, Endothia parasitica, Fungus diseases (plants), Spores.

14951-69
CONTROL OF POTATO BLIGHT BY MEANS OF SPRAYING MACHINERY USED ON THE GROUND, AIRPLANES AND HELICOPTERS. (GE)
K Hanuss
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):196-201
Jan 1969 410.9 G31M
Aircraft, Blight, Methodology, Phytophthora infestans, Potatoes, Spraying equipment. English abstract

14952-69
FUNGICIDE TRIALS FOR THE CONTROL OF SORE SHIN OF TOBACCO.
W F T Hartill
Rhodesia, Zambia, Malawi J Agr Res 6(1):13-18
1968 24 R3472
Chemical control (plant diseases), Chlorinated hydrocarbons, Fumigants, Fungicides, Fungus diseases (plants), Plant diseases, Rhizoctonia solani, Thiocarbamates, Tobacco.
The chemicals tested on cotton were: quintozene, chloroneb, captan, folpet, difolotan, thiram, ethylene dibromide and dorlone.

14953-69
STUDY ON THE ETIOLOGY OF GIRDLE SCRUF OF BEETS. (GE)
M Hassansada N Malmus K Boning
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):136-139
Jan 1969 410.9 G31M
Beets, Fertilizers, Nitrogen, Plant nutritional deficiencies, Streptomyces. English abstract.

14954-69
THE IMPORTANCE OF GUTTATION FLUID ON TURF DISEASES.
M J Healy M P Britton
Turfgrass Conf Proc 8:40-46 MAP
07 Dec 1967 SB433.I4
Alternaria, Curvularia, Fertilizers, Fungus diseases (plants), Fusarium, Glutamine, Guttation, Helminthosporium, Nitrogen, Plant biochemistry, Plant extracts, Turf.

14955-69
COMPARISON OF THE EFFECT ON BEET SEED PRODUCTION OF SPRING AND FALL INFESTATIONS OF BEET LEAFHOPPERS CARRYING CURLY TOP VIRUS.
O A Hills R W Brubaker
Amer Soc Sugar Beet Technol J 15(3):214-220
Oct 1968 66.9 AM35J
Circulifer tenellus, Curly top, Insect vectors, Seeds, Sugar beets, Virus diseases (plants).

14956-69
THE FUNCTION OF THE ENDODERMIS IN RESISTANCE OF VIRGINIA PINE SEEDLINGS TO DAMPING-OFF.
W K Hock W L Klarman
Forest Sci 13(1):108-112
Mar 1967 99.8 F7632
Damping-off, Fungus diseases (plants), Pinus virginiana, Plant disease resistance, Plant histology, Plant tissues, Pythium debaryanum, Seedlings.

14957-69
THE EFFECT OF INFECTION WITH BEET YELLOWS VIRUS ON THE GROWTH OF SUGARBEETS.
R Hull
Amer Soc Sugar Beet Technol J 15(3):192-199
Oct 1968 66.9 AM35J
Crop yields, Plant physiology, Sugar beets, Virus diseases (plants), Yellows.

14958-69
ON THE CONTROL OF PRIMARY INFECTIONS CAUSED BY PSEUDOPERONOSPORA HUMULI. (GE)
L Kamm
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):105-108
Jan 1969 410.9 G31M
Antibiotics, Chemical control (plant diseases), Fungus diseases (plants), Hops, Pseudoperonospora humuli, Soil treatments, Systemic fungicides, Thiocarbamates. English abstract.

14959-69
INTEGRATED CONTROL OF HOP WILT I. PROTECTION BY CHEMICAL TREATMENT AND BREEDING. (GE)
L Kamm
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):99-100
Jan 1969 410.9 G31M
Crop varieties, Fungicides, Fungus diseases (plants), Fusarium oxysporum, Hops, Plant disease resistance, Plant nematodes, Verticillium alboatrum, Wilt. English abstract.

14960-69
ASSESSMENT OF CROP LOSSES CAUSED BY ROSETTE DISEASE OF GROUNDNUT.
G Kousalya S Bhaskaran C S Krishnamurthy
Indian J Agr Sci 37(5):356-361 REF
Oct 1967 22 AG831
Aphis craccivora, Crop losses, Insect vectors, Peanuts, Phytopathology, Rosette, Virus diseases (plants).

14961-69
TEST FOR FUNGICIDAL ACTIVITY AGAINST BLUE MOLD ON TOBACCO USING COTYLEDONS. (GE)
E Krauss K Schmid
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):118-119
Jan 1969 410.9 G31M
Fungicides, Fungus diseases (plants), Peronospora tabacina, Tobacco. English abstract.

14962-69
MEASUREMENT OF THE SYNTHESIS OF PLANT VIRUSES THROUGH THE INCORPORATION OF RADIOACTIVE PRECURSORS OF RIBONUCLEIC ACID. (FR
J Kummert J Semal
Bull Recher Agron Gembloux (N s)2(3):507-516 REF
1967 S5.B8
Barley, Mosaic, Plant biochemistry, Radioactive tracers, Ribonucleic acid, Synthesis, Tobacco, Virology, Virus diseases (plants). English summary.

14963-69
INFLUENCE OF SUCCESSIVE CEREAL CROPS ON FLUCTUATIONS IN THE GRAVITY OF THE DISEASE OF WHITE HEADS OF WHEAT (OPHIOBOLUS GRAMINIS SACC.). (FR)
J-M. Lemaire M. Coppenet
Ann Epiphyt 19(4):589-599
1968 464.9 F84AN
Crop rotation, Grain, Ophiobolus, Plant pest resistance, Soil microorganisms, Surveys. English abstract.

14964-69
BROWN ROT OF STONE FRUITS.
O C Maloy F Johnson
Wash State Univ Ext E M (3046):2P
Nov 1968 275.29 W27MI
Air flow, Brown rot, Calcium cyanamide, Fruit, Fungicides, Fungus diseases (plants), Plant disease control, Sanitation control (pests), Sclerotinia fructicola, Sclerotinia laxa, Spraying, Symptomatology, Weather.

14965-69
NECTRIA GALLIGENA AND CERATOCYSTIS FIMBRIATA CANKERS OF ASPEN IN MINNESOTA.
P D Manion D W French
Forest Sci 13(1):23-28
Mar 1967 99.8 F7632
Canker, Ceratocystis fimbriata, Fungus diseases (plants), Host relationships, Nectria galligena, Phytopathology, Populus.

Both Nectria galligena and Ceratocystis fimbriata produced cankers on quaking aspen when inoculated with either spores or mycelium. In the first year, canker development was more rapid in those trees inoculated with C. fimbriata than those inoculated with N. galligena. After two years, cankers caused by C. fimbriata usually did not enlarge further while those caused by N. galligena did. C. fimbriata did not cause cankers on red maple, or balsam poplar and only one canker on paper birch, while N. galligena produced cankers on all these hosts.

14966-69
INDICATION IN THE APRICOT SPECIES OF INTRASPECIFIC INCOMPATIBILITY DUE TO THE PRESENCE OF A CHLOROTIC LEAF SPOT TYPE VIRUS. (FR)
C. Marenaud
Ann Epiphyt 19(OUTSIDE SERIES):225-245 REF
1968 464.9 F84AN
Apricots, Chlorosis, Leaf spot, Prunus, Virology, Virus diseases (plants). English and German abstracts.

14967-69
BIOLOGICAL DETERMINATION OF THE CUCUMBER MOSAIC VIRUS (CMV) ON VIGNA SINENSIS L. I.--INFLUENCE OF DIFFERENT FACTORS ON THE SUSCEPTIBILITY OF THE PLANT TO THE VIRUS. (FR
J Marrou A Migliori M Duteil
Ann Epiphyt 19(OUTSIDE SERIES):69-81
1968 464.9 F84AN
Aging, Cowpeas, Cucumber mosaic virus, Environmental effects, Light, Mosaic, Virus diseases (plants). English and German abstracts.

14968-69
TIME COURSE VARIATIONS OF THE INFECTIVITY OF THE CUCUMBER MOSAIC VIRUS IN DIFFERENT VEGETABLE SPECIES. (FR)
J Marrou A Migliori G. Marchoux
Ann Epiphyt 19(OUTSIDE SERIES):83-92 REF
1968 464.9 F84AN
Aging, Cowpeas, Cucumber mosaic virus, Plant physiology, Time, Vegetables. English and German abstracts.

14969-69
ON THE PHYSIOLOGY OF GERMINATION OF FUSARIUM CHLAMYDOSPORES IN SOIL. (GE)
W Menzinger
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):38-39
Jan 1969 410.9 G31M
Amino acids, Fusarium oxysporum, Soil fungi, Spore germination. English abstract

14970-69
SHORT NOTE ON VARIETAL RESISTANCE OF INDIAN LINSEED TO WILT (FUSARIUM OXYSPORUM F. LINI).
J L Merh
Indian J Agr Sci 37(1):45-46
Feb 1967 22 AG831
Flaxseed, Fungus diseases (plants), Fusarium oxysporum, Plant breeding, Plant disease resistance, Wilt.

14971-69
EFFECT OF THE TOBACCO MOSAIC VIRUS ON GROWTH AND FRUITING OF OUTDOOR TOMATO CULTURE IN SOUTH-EASTERN FRANCE. (FR)
C-M. Messiaen A. Migliori P. Maison
Ann Epiphyt 19(OUTSIDE SERIES):93-102
1968 464.9 F84AN
Plant physiology, Tobacco mosaic virus, Tomatoes, Virus diseases (plants). English and German abstracts

14972-69
OCCURRENCE OF ZEBRA-NECROSIS IN SORGHUM.
R N Misra M B L Saxena J Ram
Cur Sci 36(2):50-51
20 Jan 1967 475 SCI23
Necrosis, Plant disease resistance, Plant genetics, Sorghum, Surveys.

14973-69
CHLOROTIC LEAF-CURL IN APRICOT TREES AND NECROSIS OF THE PHLOEM. CONTRIBUTION TO THE STUDY OF APRICOT WILT DISEASES. (FR
G. Morvan C. Castelain
Ann Epiphyt 19(OUTSIDE SERIES):247-268 REF
1968 464.9 F84AN
Apricots, Leaf curl, Plant physiology, Virus diseases (plants). English and German abstracts.

14974-69
APPLICATION OF ARTIFICIAL HIBERNATION TO THE MECHANICAL TRANSMISSION OF FRUIT-TREE VIRUSES TO HERBACEOUS PLANTS. (FR
G. Morvan
Ann Epiphyt 19(OUTSIDE SERIES):279-280
1968 464.9 F84AN
Chenopodium quinoa, Fruit, Hibernation, Plant disease transmission, Virus diseases (plants).

14975-69
EVALUATING SOIL SAMPLES FOR FUNGUS PATHOGENS OF SUGARBEET SEEDLINGS.
D L Mumford
Amer Soc Sugar Beet Technol J 15(3):255-258
Oct 1968 66.9 AM35J
Fungus diseases (plants), Methodology, Seedlings, Soil fungi, Soil sampling, Sugar beets.

14976-69
EFFECT OF BUFFER SALT AND H-ION CONCENTRATION ON POTATO VIRUS X INFECTION ON CAPSICUM PENDULUM WILLD..
B B Nagaich G C Upreti B L Dutt
Indian J Exp Biol 7(3):165-167 REF
Jul 1969 442.8 IN2
Biological assay, Buffer substances, Hydrogen-ion concentration, Potatoes, Redpeppers (vegetable), Salts, Virus diseases (plants), Virus X.

14977-69
EFFECT OF DIFFERENT DATES OF SOWING OF GROUNDNUT ON THE DEVELOPMENT AND INTENSITY OF LEAF-SPOT DISEASE BY CERCOSPORA SSP..
V R Nath L G Kulkarni
Indian J Agr Sci 37(5):362-368
Oct 1967 22 AG831
Cercospora, Fungus diseases (plants), Leaf spot, Peanuts, Plant disease resistance, Seed planting.

14978-69
FACTORS AFFECTING SURVIVAL OF PORIA WEIRII IN SMALL BURIED CUBES OF DOUGLAS-FIR HEARTWOOD.
E E Nelson
Forest Sci 13(1):78-84
Mar 1967 99.8 F7632
Fungus diseases (plants), Phytopathology, Poria weirii, Pseudotsuga menziesii, Virulence.

The distructiveness of Poria weirii Murr. as a root pathogen in coniferous forests is markedly increased through its longevity in wood buried in forest soil. Three experiments, with infected, 2-inch cubes of Douglas-fir, Pseudotsuga menziesii (Mirb.) Franco, buried under a Douglas-fir stand, show that (1) the pathogen can survive as long as 5 years, even in small pieces of wood; (2) survival at depths of 12 and 24 inches is better than at 3 and 6 inches; (3) presence of zone lines is associated with longer survival; and (4) activity of soil micro-organisms most probably decreases survival.

14979-69
EFFECT OF FUSARIC ACID ON IN VITRO CULTURES OF EMBRYOS OF PHASEOLUS VOLGARIS L..
D Padmanabhan
Cur Sci 36(8):214-215
20 Apr 1967 475 SCI23
Fungitoxicity, Fungus diseases (plants), Fusaric acid, Kidney beans, Plant physiology, Toxins.

14980-69
CHARACTERISTIC OF DEVELOPMENT AND NOXIOUSNESS OF THE MOST IMPORTANT DISEASES AND PESTS OF POTATOES AND SUGAR BEETS IN THE YEAR 1967 IN POLAND AND THEIR FORECAST FOR 1968. (PO)
K Piekarczyk
Poznan Inst Ochrony Roslin Biul (39):57-107 MAP
1968 464.9 P87
Crop losses, Insect pests, Plant diseases, Potatoes, Sugar beets, Surveys, Toxicology. English and Russian abstracts.

14981-69
COW-PARSNIP (HERACLEUM SPHONDYLUM) MOSAIC VIRUS IN FINLAND.
Z Polak
Ann Bot Fenn 5(2):115-116
1968 450 AN79
Heracleum, Isolates, Mosaic, Symptomatology, Virology, Virus diseases (plants).

14982-69
LEPTOSPHAERULINA TRIFOLII ON PASSIFLORA LESCHENAULTII AND MARSILEA QUADRIFOLIATA--TWO NEW HOST RECORDS FOR INDIA.
K M Ponnappa
Cur Sci 36(12):329-330 REF
20 Jun 1967 475 SCI23
Fungus diseases (plants), Granadilla, Host records, Leptosphaerulina.

14983-69
OCCURRENCE OF PHYSIOLOGIC RACES OF WHEAT AND BARLEY RUSTS IN INDIA DURING 1962--64 AND THEIR SOURCES OF RESISTANCE.
R Prasada L M Joshi S D Singh D P Misra L B Goel Et Al
Indian J Agr Sci 37(4):273-281
Aug 1967 22 AG831
Barley, Plant breeding, Plant disease resistance, Puccinia, Rust, Surveys, Wheat.

14984-69
OBSERVATIONS ON DOWNY MILDEW OF JOWAR (SORGHUM VULGARE).
S B Puranik R S Deshpande R Rameswarappa
Mysore J Agr Sci 2(2):143-144
1968 S19.M9
Downy mildew, Fungus diseases (plants), Sclerospora sorghi, Sorghum.

14985-69
HAEMAGGLUTINATION TEST TO DETECT TOBACCO MOSAIC VIRUS ANTIGENS.
D V R Reddy M H Rao M C Padma V G Rao
Indian J Exp Biol 7(3):162-165 REF
Jul 1969 442.8 IN2
Antigens, Diagnosis, Hemagglutination, Precipitin test, Serological tests, Tobacco mosaic virus, Virus diseases (plants).

14986-69
EXPERIMENTS ON THE EFFECT OF SLUDGE COMPOST ON THE WART DISEASE OF POTATOES. (GE)
K Reithmeier
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):36-37
Jan 1969 410.9 G31M
Cultural control (plant diseases), Potatoes, Synchytrium endobioticum, Wart (potatoes). English abstract

14987-69
STUDIES ON A MOSAIC DISEASE OF TYLOPHORA INDICA (BURM. F.) MERR..
K S M Sastry M A Khan
Indian J Agr Sci 37(2):128-131
Apr 1967 22 AG831
Aphididae, Drug plants, Insect vectors, Mosaic, Plant disease transmission, Tissue culture, Tylophora indica, Virus diseases (plants).

14988-69
INTEGRATED CONTROL OF HOP WILT II. PROTECTION BY METHODS OF SOIL HYGIENE. (GE)
G Schmid
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):101-102
Jan 1969 410.9 G31M
Hops, Plant disease control, Soil aeration, Soil sanitation, Soil series, Wilt. English abstract.

14989-69
CONTRIBUTION TO THE STUDY OF DIEHLIOMYCES MICROSPORUS. (FR
J C Scurti G Borzini
Mushroom Sci 6:523-528
1965 80 M972
Chemical control (plant diseases), Copper sulfate, Etiology, Fungus diseases (plants), Mushrooms, Tillage. English and German summaries.

14990-69
SYNTHESIS OF RNA IN EXTRACTS OF LEAF-CELLS INFECTED BY PHOTOVIRUSES. (FR)
J Semal R I Hamilton
Ann Epiphyt 19(OUTSIDE SERIES):3-7 REF
1968 464.9 F84AN
Mosaic, Plant biochemistry, Ribonucleic acid, Synthesis, Virus diseases (plants). English and German abstracts.

14991-69
INVESTIGATIONS INTO THE CAUSE OF LEAF TUMORS OF TEA SEEDLINGS.
D E Shaw W M Burnett
Papua New Guinea Agr J 19(4):167-192
Mar 1968 23 N453
Leaves, Phytopathology, Plant galls, Seedlings, Tea.

After testing many possible environmental agents which may have caused leaf tumors in tea seedlings, it was observed that ten times more seedlings developed tumors at high temperatures in the glasshouse than in a cool room. There were ten times more tumors on seedlings from immature ripe seed from capsules picked green than from mature seed which had dehisced naturally. It is suggested that a growth substance in immature seeds may be the etiologic agent, and temperature.

14992-69
WELLMAN'S LEAF AND FRUIT SPOT OF ARABICA COFFEE IN NEW GUINEA.
D E Shaw
Papua New Guinea Agr J 19(4):152-166
Mar 1968 23 N453
Coffee, Leaf spot, Plant disease transmission, Plant diseases.

14993-69
THE PRESENT STATE OF KNOWLEDGE CONCERNING VIRUSES ON MUSHROOMS.
J W Sinden
Mga (mushroom Growers Ass) Bull 216:608-610,612,614,616,618,620,622,627-628,632-634
Dec 1967 80 M97
Bacterial diseases (plants), Crop yields, Mushrooms, Plant protection, Virus diseases (plants).

14994-69
NOTE CONCERNING A VIRUS OF CARTHAMUS TINCTORIUS .
D. Spire J. Bertrandy
Ann Epiphyt 19(OUTSIDE SERIES):281-286 REF
1968 464.9 F84AN
Host indexing (plants), Insect vectors, Myzus persicae, Safflower, Virus diseases (plants). English and German abstracts.

14995-69
STUDY ON DIEBACK OF TWIGS IN CULTIVATED BLUEBERRIES. (GE)
F Sprau
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):132-135
Jan 1969 410.9 G31M
Blueberries, Dieback, Fusicoccum. English abstract.

14996-69
FUNGICIDAL CONTROL OF LATE BLIGHT OF POTATO IN THE NILGIRIS.
P Vidhyasekaran G Muthuswamy
Indian J Agr Sci 37(6):483-487
Dec 1967 22 AG831
Blight, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Polyram, Potatoes, Triphenyltin acetate.

14997-69
SEROLOGICAL AND INFECTIOUS PROPERTIES OF SOME VIRUS ISOLATES OBTAINED FROM GRAPES; RELATIONSHIP WITH THE FANLEAF VIRUS AND THE ARABIS MOSAIC VIRUS. (FR)
A. Vuittenez J. Kuszala R. Legin M-C. Munck
Ann Epiphyt 19(OUTSIDE SERIES):219-224
1968 464.9 F84AN
Arabis, Fanleaf (grapes), Grapes, Mosaic, Serodiagnosis, Serological tests, Viruses.

14998-69
CHARACTERISTICS OF A NON-LABILE RING-SPOT TYPE VIRUS ASSOCIATED WITH THE GRAPE FANLEAF DISEASE OF THE PEACHTREE. (FR)
A. Vuittenez J. Kuszala
Ann Epiphyt 19(OUTSIDE SERIES):267-274
1968 464.9 F84AN
Fanleaf (grapes), Host indexing (plants), Ring spot, Serodiagnosis.

14999-69
DISEASES--LAWNS AND TURF.
J C Wells
N C Pesticide Manual 00(00):103
1967 79.8 N81
Cultural control (plant diseases), Drenches, Fungicides, Lawns, Plant diseases, Turf.

15000-69
CHEMICAL CONTROL OF CERCOSPORA LEAF SPOT OF SUGARBEETS IN NEBRASKA, 1965.
D S Wysong M L Schuster R E Finkner E D Kerr
Amer Soc Sugar Beet Technol J 15(3):221-227
Oct 1968 66.9 AM35J
Cercospora beticola, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Leaf spot, Sugar beets.

ARTHROPODS

15001-69
CONTROLLING THE PINK BOLLWORM ON COTTON.
U S D A Farmers Bull (2207):12P
Apr 1968 1 AG84F
Accident prevention, Chemical control (insects), Cotton, Cultural control (insects), Eradication, Insect pests, Insecticide application, Pectinophora gossypiella, Plant injuries, Quarantine. The pesticides tested were: ddt, carbaryl, guthion, methyl parathion, toxaphene and strobane.

15002-69
RESISTANCE OF MAIZE INBREDS AND HYBRIDS TO NOCTUID. SESAMIA NONAGRIOIDES LEF. (FR)
P. Anglade C. Bertin
Ann Epiphyt 19(4):579-587
1968 464.9 F84AN
Corn, Larvae, Plant breeding, Plant pest resistance, Sesamia nonagrioides. English abstract.

15003-69
INCIDENCE OF AND LOSSES CAUSED BY SOME POD-INFESTING INSECTS IN DIFFERENT VARIETIES OF PIGEON-PEA (CAJANUS CAJAN (L.) MILLSP.).
O S Bindra S S Jokhmola
Indian J Agr Sci 37(3):177-186
Jun 1967 22 AG83I
Bruchus, Crop losses, Insect pests, Melanagromyza obtusa, Pigeonpeas, Stored product insects, Surveys.

15004-69
INSECTS ASSOCIATED WITH CITRUS IN NIGERIA.
S O Boboye
Nigeria Fed Dep Agr Res Mem (88):8P
Oct 1967 464.9 W525M
Citrus, Insect pests, Parasitism, Predaceous insects.

The list is made up of 71 insects and 5 parasites and predators of citrus pests of the following orders: Orthoptera, Isoptera, Hemiptera-Homoptera, Coleoptera, Hymenoptera, Lepidoptera, and Diptera.

15005-69
VARIATIONS IN THE VITALITY AND OSMOTIC PRESSURE OF SEVERAL EUCALYPTUS, AS A FUNCTION OF ECOLOGICAL CONDITIONS AND THE ROLE OF THE XYLOPHAGOUS PHORACANTHA SEMIPUNCTATA FABR. (COLEOPTERA, CERAMBYCIDAE). (FR)
C Chararas A Schoenenberger H Poupon
Acad Sci Compt Rend Ser D 268(22, 1ST SEMESTER):2697-2700
02 Jun 1969 505 P21
Cerambycidae, Eucalyptus, Osmotic pressure, Plant ecology, Tree injuries.

15006-69
CHEMICAL CONTROL OF MANGO HOPPERS (IDIOCERUS SPP.).
S K Chikkerur
Plant Protect Bull 19(3):39-40
1967 421 P69
Chemical control (insects), DDT, Endrin, Idiocerus, Insecticides, Mangoes.

15007-69
PEACH SPRAY PROGRAM.
C N Clayton J Falter C F Smith
N C Pesticide Manual 00(00):73-74
1967 79.8 N81
Chemical control (insects), Chlorinated hydrocarbons, Coccoidea, Curculio, Insecticides, Leaf curl, Lime-sulfur, Peaches, Spraying.

15008-69
SPOTTING OF GRAPEFRUIT AS ASSOCIATED WITH FALSE SPIDER MITES.
A A Dean N P Maxwell
Rio Grande Val Hort Soc J 21:35-45 REF
1967 81 L95
Azinphosmethyl, Brevipalpus californicus, Brevipalpus phoenicis, Chemical control (insects), Chlorinated hydrocarbons, Dicofol, Grapefruit, Organophosphorus compounds, Plant injuries.

15009-69
INSECTICIDAL TRIALS AGAINST JOWAR PESTS.
S K Dorge V P Dalaya M V Gaikwar
Plant Protect Bull 19(1):15-20
1967 421 P69
Benzene hexachloride, Carbaryl, Chemical control (insects), DDT, Durra, Endrin, Heptachlor, Insecticides, Malathion, Nicotine.

15010-69
HYLOBIUS WEEVIL LARVAE ATTACK ROOTS OF YOUNG SLASH PINES.
B H Ebel E P Merkel
Forest Sci 13(1):97-99
Mar 1967 99.8 F7632
Hylobius, Larvae, Phytophagous insects, Pinus elliottii, Plant injuries.

15011-69
STRAWBERRY INSECT CONTROL.
J Falter
N C Pesticide Manual 00(00):76
1967 79.8 N81
Chemical control (insects), Chlorinated hydrocarbons, Insect control, Strawberries.

15012-69
PREFERENCE OF THE LEAF-HOPPER EMPOASCA KERRI PRUTHI (HOMOPTERA: JASSIDAE) TO PIGEON PEA (CAJANUS CAJAN (L.) MILLSP.) PLANTS INFECTED WITH STERILITY MOSAIC VIRUS.
S Jayaraj A R Seshadri
Cur Sci 36(13):353-355 REF
05 Jul 1967 475 SCI23
Empoasca, Host specificity, Insect ecology, Mosaic, Pigeonpeas, Population.

15013-69
CHARACTERISTIC OF DEVELOPMENT AND NOXIOUSNESS OF MOST IMPORTANT PESTS AND SOME DISEASES OF FRUIT TREES AND SMALL FRUITS IN POLAND IN 1967 AND THEIR FORECAST IN 1968. (PO
F Kagan
Poznan Inst Ochrony Roslin Biul (39):153-219 MAP
1968 464.9 P87
Crop losses, Fruit, Insect pests, Plant diseases, Surveys.

15014-69
CHARACTERISTIC OF DEVELOPMENT AND NOXIOUSNESS OF MOST IMPORTANT PESTS AND SOME DISEASES OF LEGUMINOUS AND VEGETABLE PLANTS IN POLAND IN 1967 AND THEIR FORECAST FOR 1968. (PO)
F Kagan
Poznan Inst Ochrony Roslin Biul (39):223-239 MAP
1968 464.9 P87
Crop losses, Insect pests, Legumes, Plant diseases, Surveys. English and Russian abstracts.

15015-69
GRASSHOPPER CONTROL IN SOUTH DAKOTA, 1969.
B H Kantack W L Berndt P A Jones
S Dak State Univ Ext Ext Mimeogr Circ (439):6P MAP
1969 275.29 SO85FS
Accident prevention, Chemical control (insects), Grasshoppers, Insecticide application, Insecticides, Regulations. Directions are given for the use of many different insecticides.

15016-69
A CASE HISTORY - CONTROL OF THE HEMLOCK LOOPER.
T J King
Forest Notes (89,SPRING):14-17 MAP
1966 99.8 F7691
Chemical control (insects), Insect pests, Lambdina athasaria, Malathion, Organophosphorus compounds, Plant protection, Tsuga.

15017-69
INFLUENCE OF PRUNING CITRUS TREES ON THE EFFICACY OF CONTROL OF BLACK SPOT (GUIGNARDIA CITRICARPA KIELY).
F C Loest
So Afr Citrus J (419):15
Nov 1968 80 C495
Black spot, Citrus trees, Cultural control (plant diseases), Fungus diseases (plants), Pruning.

15018-69
IDENTIFICATION OF THE CAUSAL AGENT OF A MALVA DISEASE PRESENT IN ITALY. (IT)
G Majorana K Silberschmidt
Bari Univ Fac Agr Ann 21(PT 2):445-454 REF
1967 105.4 B232
Electron microscopy, Insect vectors, Malva parviflora, Myzus, Plant disease transmission, Sap, Virology, Virus diseases (plants). English summary.

15019-69
THE USE OF SYSTEMIC INSECTICIDES TO REDUCE THE INCIDENCE OF CURLY TOP VIRUS DISEASE IN SUGARBEETS.
N R Malm R E Finkner
Amer Soc Sugar Beet Technol J 15(3):246-254
Oct 1968 66.9 AM35J
Chemical control (insects), Circulifer tenellus, Curly top, Disyston, Insect control, Insect vectors, NIA 10242, Phorate, Sugar beets, Systemic insecticides, Virus diseases (plants).

Phorate and NIA proved more effective than timek and di-syston in controlling Culicifer tenellus, the leafhopper vector of sugarbeet curly top virus disease.

15020-69
ROLE OF THE JASSID APHRODES BICINCTUS SCHRK (HOM., AUCHEN) IN THE TRANSMISSION OF SOME WHITE CLOVER DISEASES. (FR
J-P. Moreau M-T. Cousin J-P. Lacote
Ann Epiphyt 19(OUTSIDE SERIES):103-110 REF
1968 464.9 F84AN
Cicadellidae, Dwarfing, Insect biology, Insect vectors, Phyllody, Plant disease transmission, White clover. English and German abstracts.

15021-69
POPULATION OF MYZUS PERSICAE SULZ. IN POTATO CROP AT PATNA.
K K Nirula R Kumar
Indian J Agr Sci 37(2):108-111
Apr 1967 22 AG83I
Insect traps, Myzus persicae, Population, Potatoes, Reproduction.

Various types of insect traps were evaluated for the study of populations of green peach aphid, Myzus persicae, in a potato crop. Water traps caught the maximum number of aphids and also denoted the number of aphids likely to settle on the crop. Sticky traps had an advantage over the water traps in recording the earliest colonizers and denoting the flight activity of the aphids.

15022-69
CHARACTERISTIC OF DEVELOPMENT AND NOXIOUSNESS OF THE MOST IMPORTANT POLYPHAGOUS PESTS PRESENT IN POLAND

IN THE YEAR 1967 AND THEIR FORECAST FOR 1968. (PO)
K Piekarczyk
Poznan Inst Ochrony Roslin Biul (39):5-20 MAP
1968 464.9 P87
Elateridae, Insect outbreak forecasting, Insect outbreaks, Lepus, Surveys. English and Russian abstracts.

15023-69
CONTROL CAMPAIGN AGAINST HELIOTHIS ARMIGERA IN MYSORE STATE.
M K Ponnuswami
Plant Protect Bull 19(1):34-35
1967 421 P69
Chemical control (insects), Chlorinated hydrocarbons, Cultural control (insects), DDT, Heliothis armigera, Insecticides, Pigeonpeas.

15024-69
TURF INSECTS AND INSECTICIDES.
R Randell
Turfgrass Conf Proc 8:16-19
07 Dec 1967 SB433.I4
Agrostis, Chemical control (insects), Insect pests, Insecticides, Phytotoxicity, Turf, Webworm. 10 insecticides were tested.

15025-69
PECAN INSECT AND DISEASE SPRAY SCHEDULE.
R L Robertson H R Garriss
N C Pesticide Manual 00(00):74
1967 79.8 N81
Chemical control (insects), Dodine, Insect control, Pecans, Spraying.

15026-69
GREENHOUSE INSECTS.
R L Robertson
N C Pesticide Manual 00(00):101-102
1967 79.8 N81
Chlorinated hydrocarbons, Greenhouse culture, Insect pests, Insecticide application, Soil insecticides.

15027-69
FLOWER AND SHRUB INSECTS.
R L Robertson
N C Pesticide Manual 00(00):94-97
1967 79.8 N81
Chemical control (insects), Chlorinated hydrocarbons, Insect control, Insecticides, Ornamental plants, Shrubs.

15028-69
EFFECTS OF SUB-LETHAL DOSAGES OF PARATHION AND CARBARYL ON THE BIOLOGY OF DYSDERCUS KOENIGII FABRICIUS.
H Singh R Lal
Plant Protect Bull 19(3):12-20
1967 421 P69
Carbaryl, Dysdercus, Fertility, Insect biology, Insect eggs, Insecticides, Longevity, Oviposition, Parathion.

15029-69
EFFECTS OF INSECTICIDAL TREATMENT ON THE BIOLOGY OF SURVIVING INSECTS.
H Singh
Plant Protect Bull 19(1):21-29 REF
1967 421 P69
Benzene hexachloride, Dinitrocresol, DDT, Fertility, Insect biology, Insect eggs, Insecticide resistant insects, Insecticides, Longevity, Oviposition.

15030-69
ORGANIC INSECTICIDES AND SOME RECENT TRENDS IN PEST CONTROL.
S Singh
Plant Protect Bull 19(1):6-14
1967 421 P69
Carbamates, Chemical control (pests), Chlorinated hydrocarbons, Insect outbreak forecasting, Insecticides, Organic compounds, Organophosphorus compounds.

15031-69
CENTRAL ANTI-LOCUST ORGANISATION IN INDIA.
S Singh
Plant Protect Bull 19(3):1-11
1967 421 P69
Insect control, Plant protection, Plant quarantine, Schistocerca gregaria, Stored products.

15032-69
CHARACTERISTIC OF DEVELOPMENT AND NOXIOUSNESS OF THE MOST IMPORTANT DISEASES AND PESTS OF INDUSTRIAL PLANTS IN POLAND IN THE YEAR 1967 AND THEIR FORECAST FOR 1968. (PO)
A Studzinski
Poznan Inst Ochrony Roslin Biul (39):109-151 MAP
1968 464.9 P87
Crop losses, Flax, Insect pests, Plant diseases, Poland, Rape, Surveys, Tobacco. English and Russian abstracts.

15033-69
CONTROL OF CITRUS APHIDS.
Sunkist Pest Contr Circ (376):2
Mar 1969 423.9 C12E
Aphididae, Chemical control (insects), Chlorinated hydrocarbons, Citrus, Insect pests.
Rotenone powder and oil, liquid rotenone, systox, phosdrin, dimethoate, and phosphamidon are listed for control of citrus aphids.

15034-69
LEAF INJURY AND FOOD CONSUMPTION BY LARVAE OF PHAEDON COCHLEARIAE (COLEOPTERA; CHRYSOMELIDAE) AND PLUTELLA MACULIPENNIS (LEPIDOPTERA PLUTELLIDAE) FEEDING ON TURNIP AND RADISH.
W E Taylor R Bardner
Entomol Exp Appl 11(2):177-184
1968 421 EN895
Chrysomelidae, Food consumption, Insect nutrition, Insect pests, Plant injuries, Plutella maculipennis, Radishes, Turnips. German summary.

15035-69
RELATIVE EFFICACY OF ENDRIN AND PARATHION AS PROPHYLACTIC SPRAYS IN THE CONTROL OF JUTE APION, APION CORCHORI MARSHALL (COLEOPTERA: CURCULIONIDAE).
R L Tripathi S K Ghose
Indian J Agr Sci 37(6):498-503
Dec 1967 22 AG831
Apion corchori, Chemical control (insects), Endrin, Insect control, Insecticides, Jute, Parathion.

15036-69
REPORT OF THE SEVENTH FAO AD HOC CONFERENCE ON THE CONTROL OF OLIVE PESTS AND DISEASES, PALERMO, ITALY, 2 TO 9 MAY, 1967.
7:28P REF
1967 SB608.A104
Biological control (insects), Chemical control (insects), Chemical control (plant diseases), Conferences, Crop losses, Insect pests, Integrated control (insects), Olives, Reports.

15037-69
INVESTIGATIONS ON THE BIOLOGY AND MEANS FOR CONTROL OF NEUROTOMA NEMORALIS L., TENTHREDINIDAE, THYSANOPTERA. (BU)
A Vassev
Gradinarska Lozarska Nauk 5(4):15-26 REF
1968 87 G75
Chemical control (insects), Cherries, Chlorinated hydrocarbons, Defoliation, Insect pests, Insecticides, Organophosphorus compounds, Plant protection, Tenthredinidae. English and Russian summaries.
The following chemicals were tested: agritan, phonithion or malathion emulsion, mixture of parathion or ekatin, and parasitin, alone or in a solution.

15038-69
CROESUS SEPTENTRIONALIS L. (HYMENOPTERA TENTHREDINIDAE) A PEST OF THE ALDER. (IT)
F Venturi
Osserv Mal Piante Sez Entomol Circ (9):22P
1966 QL461:08
Alnus, Alnus glutinosa, Arsenic compounds, Insect physiology, Insecticides, Metamorphosis, Parasitism, Plant protection, Predaceous insects, Tenthredinidae.

15039-69
EFFECT OF TEMPERATURE AND HUMIDITY ON THE TOXICITY AND PERSISTENCE OF PARATHION, MALATHION AND ENDRIN DEPOSITS.
A N Verma R Lal
Indian J Agr Sci 37(4):242-258 REF
Aug 1967 22 AG831
Chemical control (insects), Endrin, Humidity, Insecticide residues, Malathion, Parathion, Temperature, Toxicology, Tribolium castaneum.

15040-69
THE PALM SEED WEEVIL , CARYOBRUCHUS GLEDITSIAE (L.), IN FLORIDA (COLEOPTERA: BRUCHIDAE).
R E Woodruff
Fla Dep Agr Div Plant Indus Tri-ology Tech Rep 7(6):11-12 MAP
Jun 1968 423.9 F6622
Bruchidae, Insect biology, Insect identification, Palms, Zoogeography.

15041-69
CORRELATION STUDIES BETWEEN LEAF MID-RIB STRUCTURE AND RESISTANCE TO JASSIDS (EMPOASCA DEVASTANS DIST.) IN COTTON.
H N Yadava R K Mital H G Singh
Indian J Agr Sci 37(6):495-497 REF
Dec 1967 22 AG831
Cotton, Empoasca devastans, Plant insect resistance, Plant morphology.

NEMATODES

15042-69
EELWORM CONTROL: A PRACTICAL METHOD FOR THE STERILIZATION OF CASING SOILS.
T Bukowski
Mushroom Sci 6:485-493
1965 80 M972
Chemical control (nematodes), Crop losses, Mushrooms, Plant nematodes, Plant pest control, Sodium N-methyldithiocarbamate, Soil sterilization, Thermotherapy, Thiocarbamates. French and German summaries.

15043-69
TYLENCHORHYNCHUS PALUSTRIS N. SP. (NEMATODA: TYLENCHINAE) INHABITANT OF THE RICE FIELDS OF IVORY COAST. (FR)
G. Merny G. Germani
Ann Epiphyt 19(4):601-603
1968 464.9 F84AN
Rice, Taxonomy, Tylenchorhynchus. English abstract.

15044-69
ADDITIONAL NEMATOPHAGOUS FUNGI FROM DELHI SOILS.
J Sachchidananda G Swarup
Cur Sci 36(24):677-678
20 Dec 1967 475 SC123
Entomophthorales, Fungi, Morphology, Nematodes.

15045-69
ON THE SPREAD AND CONTROL OF ANGUINA AGROSTIS. (GE)

F Wagner
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):113-115
Jan 1969 410.9 G31M
Aldicarb, Anguina agrostis, Chemical control (nematodes), Diethyl 0-2-pyrazinyl phosphorothioate, 0,0-, Grasses, Methyl bromide, Plant nematodes. English abstract.

15046-69
NEMATODE CONTROL IN WOODY ORNAMENTALS.
J C Wells
N C Pesticide Manual 00(00):100
1967 79.8 N81
Chemical control (nematodes), Nematode control, Ornamental plants, Plant nematodes.

15047-69
INFLUENCE OF SOIL-TREATMENT AND APPLICATION OF HERBICIDE ON THE SOIL-FAUNA IN FRUIT-CULTURES. (GE)
D E Wilcke
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):63-65
Jan 1969 410.9 G31M
Apples, Herbicides, Nematodes, Population, Soil fauna, Soil treatment. English abstract.

15048-69
A NEW METHOD OF FIGHT AGAINST DICROCOELIUM LANCEOLATUM. (RUS)
H Zenginov
Priroda (Sofia) (4,JUL-AUG).69
Aug 1969 410 P934
Biological control (pests), Dicrocoelium.

WEEDS

15049-69
DEVELOPMENTS IN PASTURE WEED CONTROL.
G P Allen
Great Brit NAAS (nat Agr Adv Serv) Quart Rev (82,WINTER):58-62
1968 241 G796
Chemical control (weeds), D, 2,4-, Dalapon, Herbicides, Methyl-4-chlorophenoxy)butyric acid, 4-(2-, Nitrogen, Pastures, Weed control.

15050-69
EXPERIMENTS ON THE BEHAVIOR OF MONOLINURON III. INFLUENCE ON THE BIOLOGICAL ACTIVITY OF SOIL IN COMPARISON WITH OTHER SOIL HERBICIDES. (GE)
T Beck
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):71-72
Jan 1969 410.9 G31M
Biological activity, Herbicides, Monolinuron, Population, Soil algae, Soil bacteria, Soil microorganisms. English abstract

15051-69
CONTROL OF WILD GARLIC (ALLIUM VINEALE) IN WINTER WHEAT.
L K Binning W F Meggitt
N Cent Weed Contr Conf Res Rep 24:62
1967 79.9 N81R
Allium vineale, Chemical control (weeds), Herbicides, Wheat. Many herbicides were tested.

15052-69
POSTDIRECTED APPLICATIONS OF HERBICIDES FOR WEED CONTROL IN CORN.
L E Bode M R Gebhardt
N Cent Weed Contr Conf Res Rep 24:9
1967 79.9 N81R
Chemical control (weeds), Chlorinated hydrocarbons, Corn, Crop yields, Cypromid, Equipment, Herbicide application, Herbicides, Linuron, Plant injuries.

15053-69
POSTDIRECTED APPLICATIONS OF HERBICIDES FOR WEED CONTROL IN SOYBEANS.
L E Bode M R Gebhardt
N Cent Weed Contr Conf Res Rep 24:9
1967 79.9 N81R
Chemical control (weeds), Dinoseb, Equipment, Herbicide application, Herbicides, Nitrated phenols, Soybeans.

15054-69
EQUIPMENT TO INCORPORATE HERBICIDES FOR WEED CONTROL IN SOYBEANS.
L E Bode M R Gebhardt
N Cent Weed Contr Conf Res Rep 24:8
1967 79.9 N81R
Amiben, Chemical control (weeds), Crop yields, Dosage, Equipment, Herbicide application, Herbicides, Soybeans, Trifluralin.

15055-69
OAT YIELDS ONE YEAR AFTER TRIFLURALIN APPLICATIONS.
O C Burnside
N Cent Weed Contr Conf Res Rep 24:5-6
1967 79.9 N81R
Chemical control (weeds), Crop yields, Herbicide application, Herbicides, Kenaf, Oats, Sunn crotalaria, Tillage equipment, Trifluralin, Vernonia anthelmintica.

15056-69
METHODS, TECHNIQUES AND EQUIPMENT FOR WEED RESEARCH.
O C Burnside et. al.
N Cent Weed Contr Conf Res Rep 24:7-9
1967 79.9 N81R
Chemical control (weeds), Equipment, Herbicides, Methodology. Includes summary by O. C. Burnside followed by brief reports of various authors.

15057-69
EFFECT OF HERBICIDES USED FOR WILD CANE CONTROL IN CORN ON SUBSEQUENT OAT YIELDS.
O C Burnside
N Cent Weed Contr Conf Res Rep 24:3
1967 79.9 N81R
Chemical control (weeds), Corn, Crop yields, D, 2,4-, Ethyl N,N-dipropylthiocarbamate, Herbicides, Oats, Phenoxy acid compounds, Simazine, Sorghum vulgare bicolor, Thiocarbamates, Tillage.

15058-69
OAT YIELDS SUBSEQUENT TO SELECTIVE WILD CANE CONTROL IN SOYBEANS WITH HERBICIDES.
O C Burnside
N Cent Weed Contr Conf Res Rep 24:1
1967 79.9 N81R
Chemical control (weeds), Crop yields, Dimethyl 2,3,5,6-tetrachloroterephthalate, Herbicides, Oat straw, Oats, Sorghum vulgare bicolor, Soybeans, Trifluralin, Vernolate.

15059-69
SELECTIVE WEED CONTROL IN CORN.
O C Burnside
N Cent Weed Contr Conf Res Rep 24:97
1967 79.9 N81R
Amaranthus, Chemical control (weeds), Corn, Crop yields, Herbicides, Polygonum pensylvanicum, Setaria viridis. Many herbicides were tested.

15060-69
CHEMICAL AND MECHANICAL CONTROL OF WILD CANE IN CORN.
O C Burnside
N Cent Weed Contr Conf Res Rep 24:98
1967 79.9 N81R
Chemical control (weeds), Corn, Cultural control (weeds), D, 2,4-, Ethyl N,N-dipropylthiolcarbamate, Herbicides, Phenoxy acid compounds, Simazine, Sorghum vulgare bicolor, Tillage.

15061-69
BROMACIL-PARAQUAT MIXTURE FOR SPOT ERADICATION OF AGROPYRON REPENS (QUACKGRASS).
A C Carder
N Cent Weed Contr Conf Res Rep 24:18
1967 79.9 N81R
Agropyron repens, Bromacil, Chemical control (weeds), Eradication, Herbicide application, Herbicides, Paraquat.

15062-69
SOIL INCORPORATION OF TCA AT DIFFERENT TIMES TO CONTROL AGROPYRON REPENS (QUACKGRASS).
A C Carder
N Cent Weed Contr Conf Res Rep 24:19
1967 79.9 N81R
Agropyron repens, Chemical control (weeds), Herbicide application, Herbicides, Tillage equipment, Trichloroacetic acid.

15063-69
COMPARISON OF DIFFERENT METHODS OF APPLYING TCA FOR THE CONTROL OF AGROPYRON REPENS (QUACKGRASS).
A C Carder
N Cent Weed Contr Conf Res Rep 24:20
1967 79.9 N81R
Agropyron repens, Chemical control (weeds), Equipment, Herbicide application, Herbicides, Methodology, Spraying, Trichloroacetic acid.

15064-69
COMPARISON OF DIFFERENT HERBICIDES FOR THE CONTROL OF AGROPYRON REPENS (QUACKGRASS).
A C Carder
N Cent Weed Contr Conf Res Rep 24:17
1967 79.9 N81R
Agropyron repens, Chemical control (weeds), Chlorinated hydrocarbons, Herbicides. The herbicides tested were TCA, atrazine, di-allate, EPTC, CIPC, C-2693.

15065-69
TCA, TILLAGE AND NITROGEN FOR THE CONTROL OF AGROPYRON REPENS (QUACKGRASS).
A C Carder
N Cent Weed Contr Conf Res Rep 24:21
1967 79.9 N81R
Agropyron repens, Chemical control (weeds), Herbicides, Nitrogen, Tillage equipment, Trichloroacetic acid.

15066-69
SELECTIVE CONTROL OF MATRICARIA MARITIMA VAR. AGRESTIC (FALSE CHAMOMILE) BY DIFFERENT HERBICIDES.
A C Carder
N Cent Weed Contr Conf Res Rep 24:29-30
1967 79.9 N81R
Azido-4-ethylamino-tert-butylamino-1,3,5-triazine, Chemical control (weeds), Crop yields, D, 2,4-, Dicamba, Herbicides, Matricaria, Mecoprop, Phenoxy acid compounds, Picloram.

15067-69
BROMACIL FOR SPOT ERADICATION OF AGROPYRON REPENS (QUACKGRASS).
A C Carder
N Cent Weed Contr Conf Res Rep 24:17
1967 79.9 N81R
Agropyron repens, Bromacil, Chemical control (weeds), Eradication, Herbicide application, Herbicides.

15068-69
CONTROL OF AGROPYRON REPENS (QUACKGRASS) BY ROTAVATOR.
A C Carder
N Cent Weed Contr Conf Res Rep 24:15
1967 79.9 N81R
Agropyron repens, Equipment, Plant cuttings, Soil moisture, Starvation, Tillage, Weather, Weed control.

15069-69
SPOT ERADICATION OF AGROPYRON REPENS (QUACKGRASS) BY HERBICIDES.
A C Carder
N Cent Weed Contr Conf Res Rep 24:16
1967 79.9 N81R

Agropyron repens, Chemical control (weeds), Equipment, Eradication, Herbicide application, Herbicides. The following chemicals were tested : atrazine, bromacil, picloram, sodium chlorate, pyriclor, dicamba, and monuron.

15070-69
WEED CONTROL IN HORTICULTURAL CROPS: FRUITS. WEED CONTROL IN STRAWBERRIES.
A W Cole G C Klingbeil
N Cent Weed Contr Conf Res Rep 24:43
1967 79.9 N81R
Ambrosia artemisifolia, Chemical control (weeds), Chenopodium album, Dimethyl tetrachloroterephthalate, Fruit, Herbicides, Lepidium virginicum, Polygonum convolvulus, Setaria, Strawberries, Surface-active agents.

15071-69
HERBICIDES IN SHELTER BELTS OF FARMLANDS. (GE)
W Costa
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):109-110
Jan 1969 410.9 G31M
Chemical control (weeds), Herbicides, Weed control. English abstract.

15072-69
EVALUATION OF HERBICIDES FOR ANNUAL WEED CONTROL IN WHEAT AND BARLEY.
A L Darwent R Behrens G R Miller
N Cent Weed Contr Conf Res Rep 24:56-57
1967 79.9 N81R
Barley, Chemical control (weeds), Herbicides, Wheat.

Many herbicide mixtures were tested on Polygonum pennsylvanicum, P. convolvulus, Chenopodium album, Amaranthus retroflexus, Setaria sp. and Setaria faberii.

15073-69
HERBICIDES FOR ANNUAL WEED CONTROL IN OATS.
A L Darwent R Behrens W W Nelson
N Cent Weed Contr Conf Res Rep 24:55-56
1967 79.9 N81R
Chemical control (weeds), Crop yields, Herbicides, Oats, Polygonum, Polygonum convolvulus, Setaria viridis.

The following herbicides were tested: 6S-14260, chlorflurazole, bromoxynil, 2,4-d, dicamba, MCPA, and picloram.

15074-69
FALL VS. SPRING APPLICATIONS OF ATRAZINE FOR WEED CONTROL IN CORN.
A L Darwent R Behrens W W Nelson
N Cent Weed Contr Conf Res Rep 24:95
1967 79.9 N81R
Atrazine, Chemical control (weeds), Chenopodium album, Corn, Crop yields, Echinochloa crusgalli, Herbicide application, Herbicides, Polygonum, Setaria, Time.

15075-69
PREEMERGENCE HERBICIDES FOR CORN IN MINNESOTA.
A L Darwent R Behrens G R Miller
N Cent Weed Contr Conf Res Rep 24:93
1967 79.9 N81R
Amaranthus retroflexus, Ambrosia artemisifolia, Chemical control (weeds), Chenopodium album, Corn, Herbicides, Polygonum, Preemergence, Setaria, Setaria faberii. Many herbicides were tested.

15076-69
PREPLANT INCORPORATION HERBICIDES FOR CORN IN MINNESOTA.
A L Darwent R Behrens G R Miller
N Cent Weed Contr Conf Res Rep 24:93
1967 79.9 N81R
Amaranthus, Ambrosia artemisifolia, Chemical control (weeds), Chenopodium album, Corn, Herbicide application, Herbicides, Setaria, Setaria faberii. Many herbicides and herbicide mixtures were tested.

15077-69
CONTROL OF ANNUAL WEEDS IN WHEAT AND BARLEY.
A L Darwent R Behrens S D Evans
N Cent Weed Contr Conf Res Rep 24:59
1967 79.9 N81R
Barley, Chemical control (weeds), Herbicides, Wheat.

The following herbicides and mixtures were tested: GS-14260, chlorflurazole, chlorfluazole, bromoxynil, MCPA, 2,4-d, picloram, and dicamba on 7 species of weeds.

15078-69
EARLY POSTEMERGENCE HERBICIDES FOR CORN IN MINNESOTA.
A L Darwent R Behrens G R Miller
N Cent Weed Contr Conf Res Rep 24:89-90
1967 79.9 N81R
Amaranthus retroflexus, Ambrosia artemisifolia, Chemical control (weeds), Chenopodium album, Corn, Herbicides, Polygonum, Setaria, Setaria faberii. Many herbicides were tested.

15079-69
HERBICIDES FOR ANNUAL WEED CONTROL IN WHEAT AND BARLEY.
A L Darwent R Behrens G R Miller
N Cent Weed Contr Conf Res Rep 24:59-60
1967 79.9 N81R
Amaranthus retroflexus, Barley, Chemical control (weeds), Chenopodium album, Herbicides, Polygonum convolvulus, Polygonum pensylvanicum, Setaria faberii, Wheat. Many herbicides and herbicide mixtures were tested.

15080-69
COMPOSITION AND YIELD OF WEED INFESTATIONS IN SOUTH DAKOTA CORNFIELDS.
J G Dosland
N Cent Weed Contr Conf Res Rep 24:14
1967 79.9 N81R
Corn, Crop yields, Density, Weeds. There were 20 species of weeds observed and their density measured.

15081-69
THE EFFECT OF APPLICATION METHODS ON PERFORMANCE OF ATRAZINE.
R J Fink J B Masterson
N Cent Weed Contr Conf Res Rep 24:101-103
1967 79.9 N81R
Amaranthus, Amaranthus retroflexus, Atrazine, Chemical control (weeds), Digitaria sanguinalis, Herbicide application, Herbicides, Setaria italica.

15082-69
PREEMERGENCE TREATMENTS OF SEVERAL FORMULATIONS OF DICAMBA ON CORN.
R J Fink
N Cent Weed Contr Conf Res Rep 24:105
1967 79.9 N81R
Chemical control (weeds), Corn, Dicamba, Herbicide application, Herbicides, Plant injuries.

15083-69
EFFECT OF POSTEMERGENCE APPLICATIONS OF HERBICIDES ON SUGARBEET DEVELOPMENT AND WEED CONTROL IN CENTRAL CALIFORNIA.
B B Fischer L K Beutler
Amer Soc Sugar Beet Technol J 15(3):200-208
Oct 1968 66.9 AM35J
Chemical control (weeds), Dalapon, Herbicide resistant plants, Herbicides, Pyrazon, Sugar beets, Weed control.

The herbicides, dalapon and pyrazon, were successfully used to control weeds in sugar beet stands, and were found to be least harmful to the sugar beets at early developmental stages and at low temperatures.

15084-69
THE EFFECT OF AMOUNT OF INCORPORATION ON THE PERFORMANCE OF ATRAZINE FOR WEED CONTROL IN CORN.
H O Fletchall J Caulder
N Cent Weed Contr Conf Res Rep 24:105-106
1967 79.9 N81R
Ambrosia artemisifolia, Atrazine, Chemical control (weeds), Dosage, Herbicides, Setaria faberii.

15085-69
INCORPORATION OF ATRAZINE PREPLANT FOR WEED CONTROL IN CORN.
O H Fletcher J Caulder
N Cent Weed Contr Conf Res Rep 24:111
1967 79.9 N81R
Atrazine, Chemical control (weeds), Corn, Herbicide application, Herbicides.

15086-69
WEED CONTROL IN FIELD CROPS: SMALL GRAINS.
G Friesen et. al.
N Cent Weed Contr Conf Res Rep 24:55-65
1967 79.9 N81R
Alfalfa, Barley, Chemical control (weeds), Herbicides, Wheat. Includes summary by G. Friesen, followed by brief reports of various authors.

Many herbicides were tested.

15087-69
ITALIAN BEET CULTURE. SELECTIVE CHEMICAL WEED CONTROL. (IT
G Gallarte
Agricoltura 17(6):79-85
Jun 1968 16 AG8226
Beets, Chemical control (weeds), Herbicides. English and French summaries. discussion of 15 herbicides.

15088-69
INCORPORATION OF TRIFLURALIN WITH THE DISK HARROW AND POWER ROTARY CULTIVATOR.
M R Gebhardt L E Bode
N Cent Weed Contr Conf Res Rep 24:8
1967 79.9 N81R
Chromatography, Herbicide application, Herbicides, Tillage equipment, Trifluralin.

15089-69
POSTDIRECTED APPLICATIONS OF ATRAZINE AND OIL FOR WEED CONTROL IN CORN.
M R Gebhardt L E Bode
N Cent Weed Contr Conf Res Rep 24:9
1967 79.9 N81R
Atrazine, Chemical control (weeds), Corn, Herbicide application, Herbicides, Oils.

15090-69
SEASON-LONG WEED CONTROL IN CORN WITH ATRAZINE.
Geigy Agricultural Chemicals, Ardsley, N. Y. 11P
Dec 1967 SB611.G42
Atrazine, Chemical control (weeds), Corn, Plant protection.

15091-69
EFFICACY, PERSISTENCE AND SAFETY RANGE OF HERBICIDES IN IRRIGATED COTTON.
Y Gutstein
Indian J Agr Sci 37(2):132-142 REF
Apr 1967 22 AG831
Chemical control (weeds), Cotton, Dacthal, Herbicides, Irrigation, Plant disease resistance, Prometryne, Urea compounds, Weed control.

15092-69
WEED CONTROL IN HORTICULTURAL CROPS: VEGETABLES; FRUIT.
E T Haltvick Et Al
N Cent Weed Contr Conf Res Rep 24:33-43
1967 79.9 N81R

Beans, Beets, Chemical control (weeds), Cucumbers, Fruit, Herbicides, Potatoes, Tomatoes, Vegetables. Includes summary by E. T. haltvick, followed by brief reports of various authors.

Twenty-two herbicides were tested.

15093-69
AQUATIC WEED CONTROL IN CENTRAL ILLINOIS DURING 1967.
R C Hiltibran
N Cent Weed Contr Conf Res Rep 24:44-45
1967 79.9 N81R
Aquatic weeds, Chemical control (weeds), Herbicides.

The following herbicides: dichlobenic, atrazine, simazine, chloroxuron, fenac, 2,4,5-t and silvex were tested on Potamogeton pectinatus, P. foliosus, Myriophyllum spicatum, P. nodosus, P. pusillus, Najas quadalupensis, Sagattaria latifolia, Nuphar advena, and Heteranthera dubia.

15094-69
HELICOPTERS USED IN AUTUMN FOR CONTROLLING WEED IN WINTER CEREALS. (GE)
H Hornig
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):202-204
Jan 1969 410.9 G31M
Aircraft, Chemical control (weeds), Weed control. English abstract

15095-69
THE EFFECT OF HERBICIDES ON THE GROWTH OF YOUNG COCONUT PALMS.
J C Hoyle
Trop Agr &st Augustine& 46(2):137-143
Apr 1969 26 T754
Bromacil, Chemical control (weeds), Coconuts, D, 2,4-, Herbicides, Weed control.

Bromacil was the only one of eight herbicides tested that had adverse effects on the growth of young coconut palms at normal application rates. 2,4D plus dalapon was sprayed around trees over two years old with no visibly harmfull effects.

15096-69
USE OF BUTYRICS.
Weeds Tech Bull (222):3P
1965 79.9 W323
Alfalfa, Butyrates, Chemical control (weeds), Clover, Dichlorophenoxy) butyric acid, 4-(2,4-, Grasses, Herbicide application, Herbicides, Methyl-4-chlorophenoxy)butyric acid, 4-(2-, Peas, Phenoxy acid compounds. Many common weeds are listed and their reactions to weedkillers.

15097-69
CHEMICAL WEED CONTROL IN FLORAL CROPS.
J M Jenkins W A Skroch
N C Pesticide Manual 00(00):98-99
1967 79.8 N81
Chemical control (weeds), D, 2,4-, Diuron, Gladiolus, Ornamental plants, Trifluralin.

15098-69
INTERRELATIONSHIP BETWEEN USE OF HERBICIDES AND GROWING TECHNIQUE OF TOBACCO. (GE)
W Kampe
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):120-123
Jan 1969 410.9 G31M
Bromophenyl)-1-methoxy-1-methylurea, 3-(p-, Chemical control (weeds), Crop varieties, Tobacco, Weed control. English abstract.

15099-69
WEED CONTROL IN FIELD CROPS: CORN.
G Kapusta Et Al
N Cent Weed Contr Conf Res Rep 24:87-130
1967 79.9 N81R
Chemical control (weeds), Corn, Herbicides. Includes summary by G. Kapusta followed by brief reports of various authors.

Many herbicides were tested.

15100-69
EVALUATION OF PREEMERGENCE HERBICIDES ON CROP AND WEED SPECIES.
E L Knake P L Martin D L Mulvaney
N Cent Weed Contr Conf Res Rep 24:28
1967 79.9 N81R
Chemical control (weeds), Crops, Herbicides, Preemergence, Tillage, Weeds. Twenty herbicides were tested on corn, soybeans, alfalfa, green foxtail, pigweed, smartweed, and velvet leaf.

15101-69
THE PROBLEM OF FINDING A PRECISE APPLICATION METHOD FOR THE HERBICIDES MCPA AND 2,4-D ON SUMMER BARLEY. (CZ)
V Kohout
Praze Sb Vysoke Sk Zemed (SER A):273-281 REF
1966 S13.P72
Barley, D, 2,4-, Herbicide application, Methyl-4-chlorophenoxyacctic acid, 2-, Phenoxy acid compounds, Seed germination. German and Russian summaries.

15102-69
TESTS WITH CERTAIN HERBICIDES AGAINST WEEDS IN FIELD BEANS. (BU
K Konstantinov
Rastenievud Nauk 5(2):125-135 REF
1968 64.8 R18
Beans, Chemical control (weeds), Dosage, Herbicides, Pesticide application, Toxicology. English and Russian summaries. 15 herbicides were tested.

15103-69
CONTROL OF PERENNIAL GRASS WEEDS.
C A Kust et. al.
N Cent Weed Contr Conf Res Rep 24:15-21
1967 79.9 N81R
Agropyron repens, Chemical control (weeds), Grasses, Herbicides, Perennial plants. Includes summary by C. A. Kust, followed by brief reports of various authors.

15104-69
INCREASE YOUR WHEAT YIELD BY CHEMICAL WEED CONTROL.
V G Lokras R S Tomar
Indian Farming 17(4):7
Jul 1967 22 IN283
Chemical control (weeds), Cultural control (weeds), D, 2,4-, Economics, Weed control, Wheat.

15105-69
EXPERIMENTS ON CHEMICAL WEEP CONTROL IN SPICE AND PHARMACEUTICAL PLANTS. (GE)
G Maas
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):124-128
Jan 1969 410.9 G31M
Chemical control (weeds), Pesticide residues, Plants, Spices, Weed control. English abstract.

15106-69
PREPLANT, PREEMERGENCE, POSTEMERGENCE AND HERBICIDE COMBINATIONS FOR WEED CONTROL IN CORN.
J B Masterson R J Fink
N Cent Weed Contr Conf Res Rep 24:103-104
1967 79.9 N81R
Amaranthus, Amaranthus retroflexus, Chemical control (weeds), Corn, Digitaria sanguinalis, Herbicide application, Herbicides, Setaria italica. Many herbicides were tested.

15107-69
CONTROL OF PLUMELESS THISTLE.
M K McCarty C J Scifres
N Cent Weed Contr Conf Res Rep 24:83-84
1967 79.9 N81R
Chemical control (weeds), D, 2,4-, Dicamba, Herbicides, Phenoxy acid compounds, Picloram, T, 2,4,5-.

15108-69
TIME OF HERBICIDE AND FERTILIZER APPLICATIONS IN RELATION TO HERBICIDE-INDUCED DAMAGE TO SMOOTH BROMEGRASS.
M K McCarty C J Scifres
N Cent Weed Contr Conf Res Rep 24:83
1967 79.9 N81R
Bromus inermis, D, 2,4-, Dicamba, Fertilizers, Herbicide application, Herbicides, Phenoxy acid compounds, Picloram, Plant injuries.

15109-69
EFFECTS OF MOIST AND DRY CHILLING PERIODS BEFORE GERMINATION OF FOUR THISTLE SPECIES.
M K McCarty C J Scifres
N Cent Weed Contr Conf Res Rep 24:11
1967 79.9 N81R
Cirsium, Crop varieties, Plant physiology, Seed germination, Temperature, Weed control. Thistle varieties were Garduus nutans, Garduus acanthoides, Onopordum acanthium and Cirsium vulgare.

15110-69
WEED CONTROL IN FIELD CROPS: PASTURES AND FORAGES.
M K McCarty Et Al
N Cent Weed Contr Conf Res Rep 24:80-86
1967 79.9 N81R
Chemical control (weeds), Crop yields, Fertilizers, Forage plants, Grasses, Herbicides, Pastures. Includes summary by M. K. McCarty, followed by brief reports of various authors.

15111-69
APPLICATION OF GRANULATED HERBICIDES IN SHELTER PLANTATIONS. (GE
J Meyer W Hansen
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):111-112
Jan 1969 410.9 G31M
Herbicides, Methodology, Pesticide application. English abstract.

15112-69
WEED CONTROL IN CORN AT WASECA, MINNESOTA.
G R Miller R Behrens R D Frazier J R Thompson
N Cent Weed Contr Conf Res Rep 24:111
1967 79.9 N81R
Atrazine, Chemical control (weeds), Corn, Crop yields, Herbicides. The herbicides were tested on eight varieties of weeds.

15113-69
WEED CONTROL IN CORN AT LAMBERTON, MINNESOTA.
G R Miller R Behrens W W Nelson
N Cent Weed Contr Conf Res Rep 24:112
1967 79.9 N81R
Chemical control (weeds), Corn, Crop yields, Herbicides, Setaria glauca, Setaria viridis. Many herbicides were tested.

15114-69
WEED CONTROL IN CORN AT MORRIS, MINNESOTA.
G R Miller R Behrens S D Evans
N Cent Weed Contr Conf Res Rep 24:90-91
1967 79.9 N81R
Amaranthus retroflexus, Brassica kaber, Chemical control (weeds), Chenopodium album, Corn, Herbicides, Setaria glauca, Setaria viridis, Tillage. Many herbicides were tested.

15115-69
CONTROL OF WEEDS IN CORN WITH HERBICIDES.
L W Mitich
N Cent Weed Contr Conf Res Rep 24:119
1967 79.9 N81R
Amiben, Atrazine, Chemical control (weeds), Corn, Fenac, Herbicides, Linuron, Oils, Setaria lutescens, Setaria viridis.

15116-69
CONTROL OF PERENNIAL BROADLEAVED WEEDS.
L W Mitich et. al.

N Cent Weed Contr Conf Res Rep 24:22-25
1967 79.9 N81R
Chemical control (weeds), Herbicides, Perennial plants, Weeds. Includes summary by L. W. Mitich, followed by brief reports of various authors.

15117-69
LEAFY SPURGE CONTROL DEMONSTRATIONS IN NORTH DAKOTA.
L W Mitich
N Cent Weed Contr Conf Res Rep 24:22
1967 79.9 N81R
Amitrole, Ammonium sulfamate, Chemical control (weeds), D, 2,4-, Dicamba, Euphorbia esula, Herbicides, Phenoxy acid compounds, Picloram.

15118-69
CHEMICAL CONTROL OF SCENTLESS CHAMOMILE.
L W Mitich
N Cent Weed Contr Conf Res Rep 24:26
1967 79.9 N81R
Chemical control (weeds), D, 2,4-, Dicamba, Herbicides, Matricaria inodora, Methyl-4-chlorophenoxyacetic acid, 2-, Phenoxy acid compounds, Picloram, Silvex.

15119-69
PICLORAM, DICAMBA AND 2,4-D TO CONTROL FIELD BINDWEED.
L W Mittich
N Cent Weed Contr Conf Res Rep 24:24-25
1967 79.9 N81R
Chemical control (weeds), Convolvulus, D, 2,4-, Dicamba, Herbicides, Phenoxy acid compounds, Picloram.

15120-69
WILD OATS CONTROL IN WHEAT.
J D Nalewaja
N Cent Weed Contr Conf Res Rep 24:31-32
1967 79.9 N81R
Avena fatua, Barban, Chemical control (weeds), Endothal, Herbicides, Monosodium acid methanearsonate, Wheat.

15121-69
WILD OATS CONTROL IN WHEAT.
J D Nalewaja
N Cent Weed Contr Conf Res Rep 24:64-65
1967 79.9 N81R
Avena fatua, Chemical control (weeds), Herbicides, Wheat. Many herbicides were tested.

15122-69
WEED CONTROL IN WHEAT.
J D Nalewaja
N Cent Weed Contr Conf Res Rep 24:64
1967 79.9 N81R
Brassica kaber, Chemical control (weeds), Fumaria officinalis, Herbicides, Polygonum convolvulus, Wheat. Ten herbicides were tested.

15123-69
POSTEMERGENCE WEED CONTROL IN CORN.
J D Nalewaja
N Cent Weed Contr Conf Res Rep 24:89
1967 79.9 N81R
Amaranthus retroflexus, Atrazine, Chemical control (weeds), Corn, Dicamba, Herbicides, Oils, Setaria glauca.

15124-69
CHEMICAL WEED CONTROL 1967 HANDBOOK.
46P
1967 79.9 N216
Chemical control (weeds), Crop yields, Dosage, Dusting, Equipment, Handbooks, Herbicide application, Herbicides, Nozzles, Spraying.

The herbicides used were 2,4-d, MCP, buctril, banvel-3, avadex, carbync. Other chemicals were used for special weed problems.

15125-69
INFLUENCE OF LATE FALL APPLICATION OF HERBICIDES FOR CONTROL OF MUSK THISTLE.
E B Nilson
N Cent Weed Contr Conf Res Rep 24:81-82
1967 79.9 N81R
Cardus nutans, Chemical control (weeds), Herbicide application, Herbicides, Temperature. Many herbicides were tested.

15126-69
EFFECT OF HERBICIDES ON CONTROL OF WILD CANE IN IRRIGATED CORN.
E B Nilson
N Cent Weed Contr Conf Res Rep 24:116-117
1967 79.9 N81R
Chemical control (weeds), Corn, D, 2,4-, Ethyl N,N-dipropylthiolcarbamate, Herbicides, Irrigation, Phenoxy acid compounds, Simazine, Sorghum vulgare bicolor.

15127-69
NORTH CENTRAL WEED CONTROL CONFERENCE. TWENTY-FOURTH ANNUAL RESEARCH REPORT.
N Cent Weed Contr Conf Res Rep 24:165P
1967 79.9 N81R
Conferences, Reports, Weed control.

15128-69
THE I. I. S. R. WEEDER-MULCHER IS IDEAL FOR SUGARCANE.
R R Panje R G Menon
Indian Farming 17(2):7,8,47
May 1967 22 IN283
Agricultural mechanics, Equipment, Mulches, Sugarcane, Weed control.

15129-69
CHEMICAL WEED CONTROL IN PASTURE, RANGE AND HAYLAND.
R Parker L A Derscheid
S Dak State Univ Ext Ext Mimeogr Circ (426):5P
1968 275.29 SO85FS
Chemical control (weeds), Costs, D, 2,4-, Dosage, Forage plants, Hay, Herbicide application, Herbicides, Methyl-4-chlorophenoxy)butyric acid, 4-(2-, Mowing, Pastures, Phenoxy acid compounds, Ranges, Silvex, T, 2,4,5-. Many weeds and their control are listed.

15130-69
POST EMERGENCE HERBICIDES ON SPRING-SOWN ALFALFA.
E J Peters S A Lowance
N Cent Weed Contr Conf Res Rep 24:85
1967 79.9 N81R
Alfalfa, Amaranthus, Ambrosia artemisifolia, Chemical control (weeds), Grasses, Herbicides, Plant injuries, Polygonum pensylvanicum. Many herbicides were tested.

15131-69
CONTROL OF WEEDS IN DORMANT BIRDSFOOT TREFOIL.
E J Peters S A Lowance
N Cent Weed Contr Conf Res Rep 24:86
1967 79.9 N81R
Barbarea vulgaris, Bromus, Chemical control (weeds), Erigeron, Herbicides, Rumex crispus. Many herbicides were tested.

15132-69
PREPLANT HERBICIDES FOR CONTROL OF WEEDS IN RED CLOVER.
E J Peters S A Lowance
N Cent Weed Contr Conf Res Rep 24:86
1967 79.9 N81R
Amaranthus, Ambrosia artemisifolia, Benefin, Chemical control (weeds), Ethyl N,N-dipropylthiolcarbamate, Herbicides, Panicum, Polygonum pensylvanicum, Red clover, Setaria faberii.

15133-69
POST EMERGENCE HERBICIDES FOR CONTROL OF RAGWEEDS IN LESPEDEZA.
E J Peters S A Lowance
N Cent Weed Contr Conf Res Rep 24:85-86
1967 79.9 N81R
Ambrosia, Ambrosia artemisifolia, Chemical control (weeds), Herbicides, Lespedeza. Many herbicides were tested.

15134-69
WEED CONTROL IN FIELD CROPS: SORGHUM.
W M Phillips et. al.
N Cent Weed Contr Conf Res Rep 24:46-54
1967 79.9 N81R
Chemical control (weeds), Herbicide application, Herbicides, Soils, Sorghum. Includes summary by W. M. Phillips, followed by brief reports of various authors.

The following herbicides were tested: propahlor, atrazine, dinoden, fenca, amiben, norea, GS-13529, GS-14260.

15135-69
SANDALWOOD (EREMOPHILA MITCHELLII) CONTROL IN GIDYEA COUNTRY.
D L Purcell
Queensland J Agr Anim Sci 23(3):387-395
Sep 1966 23 Q37
Acacia, Chemical control (weeds), D, 2,4-, Methodology, Santalum, T, 2,4,5-.

Sandalwood, which can overrun pastures and thus reduce the production of animals, has been controlled with 2,4,5-T butyl ester as basal spray, swab, and foliage spray.

15136-69
SELECTIVE WEED CONTROL WITH PREPLANT HERBICIDES IN CORN ACROSS NEBRASKA.
L R Robison O C Burnside C R Fenster U U Alexander G A Wicks
N Cent Weed Contr Conf Res Rep 24:99
1967 79.9 N81R
Chemical control (weeds), Corn, Crop yields, Herbicides, Plant injuries. Many herbicides were tested.

15137-69
COMPETITION BETWEEN CORIANDRUM SATIVUM SEEDLINGS AND WEEDS UNDER PROMETRIN APPLICATION AT TWO DIFFERENT NPK AND PH LEVELS. (POL)
A Ruminska A Suchorska
Poznan Inst Przemyslu Zielarskiego Biul 13(4):220-227
1967 451 P87
Chemical control (weeds), Coriandrum sativum, Dosage, Fertilizers, Herbicides, Pesticide application, Prometryne, Seedlings, Soil hydrogen-ion concentration. English and Russian summaries.

15138-69
PREEMERGENCE HERBICIDES FOR WEED CONTROL IN CORN AT SEVERAL LOCATIONS IN MICHIGAN.
J W Schrader W F Meggitt
N Cent Weed Contr Conf Res Rep 24:115
1967 79.9 N81R
Chemical control (weeds), Corn, Herbicides, Preemergence. Many herbicides were tested on many species of weeds.

15139-69
ATRAZINE-OIL MIXTURES FOR POSTEMERGENCE WEED CONTROL IN CORN AT SEVERAL LOCATIONS IN MICHIGAN.
J W Schrader W F Meggitt
N Cent Weed Contr Conf Res Rep 24:106-107
1967 79.9 N81R
Atrazine, Chemical control (weeds), Corn, Herbicides, Oils. The herbicides were tested on many weed species.

15140-69
PREPLANT APPLICATION OF HERBICIDES FOR WEED CONTROL IN CORN.
J W Schrader W F Meggitt
N Cent Weed Contr Conf Res Rep 24:114
1967 79.9 N81R
Amaranthus retroflexus, Chemical control (weeds), Chenopodium album, Corn, Herbicide

application, Herbicides, Setaria viridis, Tillage, Time. Many herbicides were tested on different weed varieties.

15141-69
HERBICIDAL CONTROL OF WEEDS IN SUGARBEETS.
E E Schweizer D M Weatherspoon
Amer Soc Sugar Beet Technol J 15(3):263-276 REF
Oct 1968 66.9 AM35J
Acetates, Ammonium compounds, Chemical control (weeds), Chlorinated hydrocarbons, Cycloate, Dalapon, Herbicides, Kochia, Pyrazon, Sugar beets, Thiocarbamates.

Kochia was controlled satisfactorily for the first time by 2lb./A of benzadox applied as a postemergence spray to sugarbeets. The control of a mixed population of foxtail, lambsquarters and pigweed by herbicides applied preplant was supplemented by a postemergence mixture of 4lb./A of pyrazon plus 2.2lb./A dalapon. The application of cycloate as a preplant treatment, increased the susceptibility of both sugarbeets and weeds to a postemergence mixture of pyraxon plus dalapon.

15142-69
CONTROL OF SONCHUS ARVENSIS (PERENNIAL SOWTHISTLE).
B Siemens A C Carder
N Cent Weed Contr Conf Res Rep 24:24
1967 79.9 N81R
Chemical control (weeds), D, 2,4-, Dicamba, Dichlorophenoxy)butyric acid, 4-(2-, Herbicides, Perennial plants, Phenoxy acid compounds, Picloram, Sonchus arvensis.

15143-69
CHEMICAL WEED CONTROL IN FRUIT CROPS.
W A Skroch W M Lewis A D Worsham
N C Pesticide Manual 00(00):77-78
1967 79.8 N81
Apples, Berries, Chemical control (weeds), Grapes, Herbicide application, Herbicides, Peaches.

15144-69
PRE- AND POSTEMERGENCE SUGAR BEET HERBICIDE TRIALS IN MICHIGAN IN 1967.
D T Smith W F Meggitt
N Cent Weed Contr Conf Res Rep 24:79
1967 79.9 N81R
Amaranthus retroflexus, Chemical control (weeds), Chenopodium album, Herbicide application, Herbicides, Sugar beets. The following herbicides were tested: pyrazon, TCA, endothall, propachlor, H-634, and (65-223A).

15145-69
CHEMICAL WEED CONTROL IN WOODY ORNAMENTALS.
R Stadtherr
N C Pesticide Manual 00(00):98-99
1967 79.8 N81
Chemical control (weeds), Fumigants, Nursery stock (horticulture), Ornamental plants.

15146-69
WEED CONTROL IN FIELD CROPS: SOYBEANS.
E W Stroube et. al.
N Cent Weed Contr Conf Res Rep 24:131-149
1967 79.9 N81R
Chemical control (weeds), Crop yields, Herbicides, Soybeans. Includes summary by E. W. Stroube, followed by brief ports of various authors.

Many herbicides were tested.

15147-69
PREPLANT AND PREEMERGENCE HERBICIDES FOR WEED CONTROL IN CORN.
E W Stroube
N Cent Weed Contr Conf Res Rep 24:108-109
1967 79.9 N81R
Chemical control (weeds), Corn, Grasses, Herbicide application, Herbicides. Many herbicides were tested on a variety of weeds and grasses.

15148-69
HERBICIDE EVALUATION STUDIES ON SUGAR BEETS, 1967.
E F Sullivan R L Abrams P J Decker T L Dollerschell
N Cent Weed Contr Conf Res Rep 24:67-73
1967 79.9 N81R
Amaranthus retroflexus, Chemical control (weeds), Herbicides, Kochia scoparia, Setaria italica, Sugar beets. Many herbicides were tested.

15149-69
PROBLEMS OF HERBICIDES IN THE PRODUCTION OF GRASS SEED. (GE
F Wagner
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):116-117
Jan 1969 410.9 G31M
Diehlobenil, Grasses, Herbicides, Seeds, Weed control. English abstract.

15150-69
EFFECT OF CHEMICAL FALLOW ON WINTER WHEAT YIELDS.
G A Wicks C R Fenster
N Cent Weed Contr Conf Res Rep 24:63
1967 79.9 N81R
Bromus tectorum, Chemical control (weeds), Crop yields, Herbicides, Wheat. Eleven herbicides were tested.

15151-69
COMBINATIONS OF PREPLANT, POSTEMERGENCE, AND LAYBY HERBICIDE APPLICATIONS FOR SELECTIVE WEED CONTROL IN SUGAR BEETS.
G A Wicks F N Anderson
N Cent Weed Contr Conf Res Rep 24:74-76
1967 79.9 N81R
Amaranthus retroflexus, Chemical control (weeds), Herbicide application, Herbicides, Setaria viridis, Solanum nigrum, Sugar beets. Many herbicides were tested.

15152-69
EFFECT OF PYRAZON AND DALAPON WITH VARIOUS SURFACTANTS ON SUGAR BEETS AND WEEDS.
G A Wicks F N Anderson
N Cent Weed Contr Conf Res Rep 24:76-78
1967 79.9 N81R
Chemical control (weeds), Chlorinated hydrocarbons, Dalapon, Herbicides, Kochia scoparia, Pyrazon, Sugar beets, Surface-active agents.

15153-69
WEED CONTROL IN FIELD CROPS: SUGAR BEETS.
G A Wicks Et Al
N Cent Weed Contr Conf Res Rep 24:66-79
1967 79.9 N81R
Chemical control (weeds), Herbicides, Sugar beets, Surface-active agents. Includes summary by G. A. Wicks, followed by brief reports of various authors.

Many herbicides were tested.

OTHER PESTS

15154-69
QUELEA CONTROL-FARMER DEVISES EFFECTIVE SPRAYING TECHNIQUE.
Anonymous
Rhodesian Farmer 39(3):14-15
31 May 1968 24 R347
Bird pests, Chemical control (pests), Dimethyl O-(4-(methylthio)-m-tolyl) phosphorothioate, O, O, Oils, Pesticide application, Spraying equipment.

Less effective methods of control such as blasting, poisoning, scaring, flamethrowers, bird-proof crops, wire perches, and bird lime and traps are discussed.

15155-69
HOW TO CONTROL RODENTS AND OTHER WILDLIFE PESTS.
V D Cunningham
N C Pesticide Manual 00(00):138-145
1967 79.8 N81
Baits, Birds, Insect repellents, Mammals, Rodents, Sanitation control (pests), Seed treatment.

LIVESTOCK PROTECTION

15156-69
ARSENIC: SCIENCE OR SUPERSTITION.
D V Frost
Food Nutr News 40(1):1,4 REF
Oct 1968 389.8 F7332
Animal nutrition, Arsenic, Arsenic compounds, Cancer, Pesticides, Tolerances, Toxicology.

15157-69
SURVEY REPORT: BIOLOGY AND PATHOLOGY OF WILDLIFE AS A PROBLEM OF VETERINARY MEDICINE AND AGRICULTURE IN TROPICAL AND SUBTROPICAL COUNTRIES. (GE)
H H Roth
Deut Tierarztl Wochensch 75(24):632-636 REF
15 Dec 1968 41.8 D482
Animal ecology, Biology, Parasitism, Tropical agriculture, Veterinary medicine, Wildlife diseases, Wildlife management.

15158-69
THE ACTION OF SOME DIVALENT METALS OVER THE INHIBITION OF PANCREATIC LIPASE BY TETRACYCLINE AND 4-EPITETRACYCLINE. (SP
F Salto D Ordonez J G Pena
Oviedo Univ Fac Vet Leon An 13(13):11-20 REF
1967 41.9 OV4
Cobalt, Enzymes, Hydrogen-ion concentration, Inhibitors, Lipases, Manganese, Nickel, Pancreas, Tetracycline. English and French summaries.

15159-69
INTERACTION BETWEEN COCKRELS TREATED WITH TESTOSTERONE AND UNTREATED COCKRELS WHEN HOUSED TOGETHER.
T Seenappa P G Muthanna
Mysore J Agr Sci 2(2):70-76
1968 S19.M9
Chickens, Hormones, Testosterone.

DISEASES

15160-69
PROPOSAL FOR SUBGROUPING OF BOVINE ADENOVIRUSES.
A Bartha
Acta Vet (budapest) 19(3):319-321
1969 41.8 AC83
Adenoviruses, Taxonomy.

15161-69
ISOLATION OF BOVINE ADENOVIRUSES FROM TISSUE CULTURES OF CALF TESTICLES.
A Bartha L Csontos
Acta Vet (budapest) 19(3):323-325
1969 41.8 AC83
Adenoviruses, Calves, Gonads, Tissue culture.

15162-69
CONSIDERATIONS OF THE RESULTS OF TESTS RUN ON WILD ANIMALS LIVING FREE AND IN CAPTIVITY. (IT)
E Bassini
Bologna Univ Lab Zool Appl Caccia Ric Zool Appl Caccia Suppl (46):3-28
1969 410.9 B633
Animal diseases, Birds, Coccidiosis, Mammals, Surveys, Wildlife. English, French and German abstracts.

15163-69
2-AMINO-5-(1-METHYL-5-NITRO-2-IMIDAZOLYL)-1,3,4THIIADIAZOLE A NEW ANTIMICROBIAL AGENT.
G Berkelhammer G Asato
Science 162(3858):1146
06 Dec 1968 470 SCI2
Animal diseases, Bactericides, Biochemistry, Chickens, Mice, Microorganisms, Parasitism, Rodents, Thiazole compounds.

15164-69
RIBONUCLEIC ACID COMPONENTS OF BAI STRAIN A (MYELOBLASTOSIS) AVIAN TUMOR VIRUS.
R A Bonar L Svcrak D P Bolognesi A J Langlois D Beard et. al690
Cancer Res 27(6, PT 1):1138-1154 REF
Jun 1967 448.8 C16
Avian tumor virus, Biochemistry, Centrifugation, Chemical analysis, Ribonucleic acid, Spectrophotometry.

15165-69
PROPHYLACTIC EFFECT OF AMINOETHYLISOTHIOURONIUM BROMIDE HYDROBROMIDE (AET) IN COMBINATION WITH BEE MILK IN ACUTE EXPERIMENTAL RADIATION SICKNESS. (JPRS 43,628) TRANSL. 16961.
S Boyadzhiev P Peychev T Marovski
6P
07 Dec 1967
Aminoethyl)-2-thio-pscudourea, 2-(2-, Bees, Biochemistry, Mice, Radiation, Rats, Royal jelly. Translation from Rentgenologiya i Radiologiya 6(3): 190-193, 1967. issued by CFSTI.

15166-69
THE EVOLUTION OF THE ANTI-RABIES VACCINES FOR DOMESTIC ANIMALS. (SP)
V J Cabasso
Gac Vet 30(214):261-277 REF
May 1968 41.8 G112
Immunization, Livestock, Pets, Rabies, Vaccines, Virology, Virus diseases (animals).

15167-69
FLUORESCENT-ANTIBODY STUDIES OF MUSCLE LARVAE TRICHINELLA SPIRALIS (OWEN, 1835). II. THE INDIRECT FLUORESCENT-ANTIBODY METHOD.
K Chroust V Dubansky
Brno Acta Univ Agr Fac Vet 36(2):299-305
1967 SF604.B7
Antigens, Fluorescent antibody technic, Livestock diseases, Nematodes, Rabbits, Serum, Trichinella spiralis. Russian and Czech summaries.

15168-69
CULTIVATION OF THE TURKEY COCCIDIUM, EIMERIA MELEAGRIMITIS TYZZER, 1929, IN MAMMALIAN KIDNEY CELL CULTURES.
D J Doran J M Vetterling
Helminthol Soc Wash Proc 34(1):59-65 REF
Jan 1967 436.9 H36
Eimeria, Methodology, Tissue culture.

15169-69
DIAGNOSTIC IMPORTANCE OF TAYLOR'S TESTS USED IN PIGS DISEASED BY SWINE PLAGUE.
O Doskocil V Dubansky
Brno Acta Univ Agr Fac Vet 36(2):265-270 REF
1967 SF604.B7
Amylases, Diagnosis, Livestock diseases, Pancreas, Swine, Swine plague. Russian and Czech summaries.

15170-69
FELINE VIRUSES. XI. ISOLATION OF A VIRUS SIMILAR TO A MYXOVIRUS FROM CATS IN WHICH UROLITHIASIS WAS EXPERIMENTALLY INDUCED.
C G Fabricant L J Rich J H Gillespie
Cornell Vet 49(4):667-672
Oct 1969 41.8 C81
Cats, Myxoviruses, Virology, Virus diseases (animals).

15171-69
MYXOVIRUS PARAINFLUENZA-3 IN THE RESPIRATORY DISEASE IN CALVES IN BULGARIA. (BU)
H Haralambiev N Pavlov D Belchev Y Buchvarov
Vet Med Nauk 5(2):25-33 REF
1968 41.8 V6468
Animal histology, Calves, Livestock diseases, Parainfluenza-3 virus, Respiratory diseases, Virus diseases (animals). English and Russian summaries.

15172-69
SERIOUS EQUINE VIRUSES. (SP)
E A Ibanez O F Moretti E H Resoagli
Gac Vet 30(214):256-260
May 1968 41.8 G112
Epidemiology, Horses, Symptomatology, Virus diseases (animals).

15173-69
SPONTANEOUS NOSEMA CUNICULI INFECTION IN LABORATORY RABBITS.
L D Koller
Amer Vet Med Ass J 155(7):1108-1114 REF
01 Oct 1969 41.8 AM3
Animal histology, Animal physiology, Diagnosis, Nosema, Rabbits.

15174-69
INTRAARTICULAR APPLICATION OF OXYTETRACYCLINE AND TETRACYCLINE IN HORSES AND CATTLE.
J Kottman J Simunek J Svobodnik
Brno Acta Univ Agr Fac Vet 36(1):101-106 REF
1967 SF604.B7
Antibiotics, Arthritis, Cattle, Dosage, Drug therapy, Horses, Injections, Livestock diseases, Oxytetracycline, Tetracycline. Russian and Czechoslovakian summaries.

15175-69
UTILIZATION OF VARIOUS CELL CULTURE SYSTEMS FOR PROPAGATION OF CERTAIN FELINE VIRUSES AND CANINE HERPESVIRUS.
K M Lee A J Kniazeff C G Fabricant J H Gillespie
Cornell Vet 49(4):539-547
Oct 1969 41.8 C81
Canine herpesvirus, Cats, Cytology, Methodology, Tissue culture, Virus diseases (animals).

15176-69
EFFECTS OF FAT BODY FATTY ACIDS ON OVARIAN AND LIVER METABOLISM OF AMBYSTOMA TIGRINUM.
H L Lewis F L Rose
Compar Biochem Physiol 30(6):1055-1060 REF
15 Sep 1969 444.8 C73
Amphibians, Fat body, Liver, Metabolism, Ova.

15177-69
BRUCELLA SUIS (BIO-TYPE I) ISOLATED FROM A GOAT IN RHODESIA.
F H Manley
Rhodesia, Zambia, Malawi J Agr Res 6(1):55-57
1968 24 R3472
Acriflavine, Agglutination test, Bacterial diseases (animals), Brucella suis, Culture media, Goats.

15178-69
RESISTANCE OF THE COLI BACTERIA, ISOLATED FROM CALVES AFFECTED WITH DYSPEPSIA, TO ANTIBIOTICS AND CHEMICAL THERAPEUTICAL PREPARATIONS. (BU)
H Mudrov
Vet Med Nauk 5(2):55-61 REF
1968 41.8 V6468
Antibiotics, Bacterial diseases (animals), Calves, Drug therapy, Immunity, Indigestion, Livestock diseases, Nitrofurans, Sulfonamides. English and Russian summaries.
The resistance of 10 strains of Coli was studied towards 10 antibiotics, 5 nitrofuranes and sulphonamides and 3 quinsole preparations. also tested were 5 chemical therapeutical preparations.

15179-69
INFECTIOUS EPYDIDIMITIS IN RAMS BY BRUCELLA OVIS. THE FIRST STUDY IN URUGUAY. (SP)
R S Olascoaga A D del Campo L A Rivas
Montevideo Univ Fac Vet Urug An 11(9):71-91 REF
Feb 1968 41.9 M764
Bacterial diseases (animals), Brucella ovis, Epididymitis, Infectious diseases, Rams, Serological tests. English summary.

15180-69
AN OUTBREAK OF POLIOENCEPHALOMALACIA IN CALVES.
M A Pass
Australian Vet J 44(12):562-564 REF
Dec 1968 41.8 AU72
Calves, Deficiency diseases, Livestock diseases, Nervous system diseases, Polioencephalomalacia, Thiamine.

15181-69
DIAGNOSIS OF MIXED INFECTIONS WITH M. BOVIS AND M. AVIUM IN CATTLE.
M Pavlas
Brno Acta Univ Agr Fac Vet 36(4):549-557 REF
1967 SF604.B7
Bacterial diseases (animals), Cattle, Diagnosis, Mycobacterium avium, Mycobacterium bovis, Tuberculin, Tuberculin test. Czech and Russian summaries.

15182-69
MALARIAL PARASITE METABOLISM: THE LACTIC ACID DEHYDROGENASE OF PLASMODIUM BERGHEI.
P Phisphumvidhi B W Langer
Exp Parasitol 24(1):37-41
Feb 1969 436.8 EX7
Biochemistry, Dehydrogenases, Enzymes, Lactic acid, Metabolism, Plasmodium berghei.

15183-69
PRODUCTION OF ACID MUCOPOLYSACCHARIDES IN MAMMALIAN FIBROBLAST TISSUE CULTURES TRANSFORMED BY ROUS SARCOMA VIRUS.
T Rakusanova
Folia Biol (praha) 15(2):87-95 REF
1969 442.8 F712
Biochemistry, Chickens, Histochemistry, Polysaccharides, Rats, Rous sarcoma virus, Tissue culture.

15184-69
USE OF THE NUCLEIC ACID HYBRIDIZATION METHOD FOR THE DEMONSTRATION OF DNA HOMOLOGOUS TO ROUS VIRUS RNA IN RSV--TRANSFORMED MAMMALIAN CELLS.
T Rakusanova
Folia Biol (praha) 15(2):96-103 REF
1969 442.8 F712
Chickens, Deoxyribonucleic acid, Nucleic acids, Rats, Ribonucleic acid, Rous sarcoma virus, Tissue culture.

15185-69
A STUDY ON KANSASIN, FORTUITIN, SWISCHIN AND JOHNIN ACTIVITY IN CATTLE NATURALLY INFECTED WITH M. BOVIS.
L Rossi S Dokoupil
Brno Acta Univ Agr Fac Vet 36(4):569-577 REF
1967 SF604.B7
Allergens, Bacterial diseases (animals), Cattle, Mycobacterium, Mycobacterium bovis, Mycobacterium fortuitum, Mycobacterium paratuberculosis, Tuberculin test. Czech and Russian summaries.

15186-69
TUBERCULOSIS-MYCOBACTERIOSIS. (FI)
H Stenberg
Suomen Elainlaakarilehti 74(7/8,JUL-AUG):257-266
1968 41.8 F49

Baeterial diseases (animals), Diagnosis, Livestock diseases, Mierobiology, Myeobaeterium, Tubereulosis. English and Swedish summaries.

15187-69
EXPERIMENTS FOR TESTING THE ACTIVITY OF VACCINES AGAINST LEPTOSPIROSIS. (BU)
N Stoilova P Zakhariev
Vet Med Nauk 5(2):79-83
1968 41.8 V6468
Baeterial diseases (animals), Dosage, Laboratory animals, Leptospira mitis, Leptospira pomona, Leptospirosis, Vaecines. English and Russian summaries.

15188-69
THE DEVELOPMENT OF GLYCEMIA IN CALVES IN THE POSTNATAL PERIOD OF ONTOGENESIS IN DEFINED CONDITIONS OF FEEDING.
J Surynek
Brno Acta Univ Agr Fac Vet 36(2):271-278 REF
1967 SF604.B7
Animal nutrition, Animal physiology, Blood plasma, Calves, Glucose, Glyeemia, Livestoek diseases. Russian and Czeeh summaries

15189-69
THE IDENTIFICATION, IN FRANCE, OF NECROSIS OF THE CEREBRAL CORTEX (N.C.C.) IN DIFFERENT TYPES OF RUMINANTS. (SP)
J Tournut Ch Labie J Espinasse
Gac Vet 30(214):278-290
May 1968 41.8 G112
Brain, Defieiency diseases, Diagnosis, Epidemiology, Epizootie diseases, Livestoek diseases, Necrosis, Ruminants, Symptomatology, Thiamine. Translated from: Revue de Medecine Veterinaire 118(11): 883, 1967.

15190-69
ON ESCH. COLI STRAINS IN SUCKLING PIGLETS WHICH HAVE DIED OF GASTROENTERITIS. (BU)
B Vaehev
Vet Med Nauk 5(7):15-21 REF
1968 41.8 V6468
Baby pigs, Bacterial diseases (animals), Chloramphenicol, Drug therapy, Escheriehia eoli, Gastroenteritis, Livestoek diseases, Serologieal tests. English and Russian summaries.

15191-69
INTERACTION OF ROUS SARCOMA VIRUS WITH RAT EMBRYO FIBROBLASTS OF INBRED LEWIS STRAIN IN VITRO.
P Vesely L Downer J Cinatl V Sovova
Folia Biol (praha) 14(6):457-465 REF
1968 442.8 F712
Antibodies, Chickens, Cytology, Poultry diseases, Rats, Rous sareoma virus, Serological tests, Tissue culture.

15192-69
BALANTIDIASIS IN A CAMEL (CAMELUS DROMEDARIUS).
R A Vosdingh J A Vanniasingham
Amer Vet Med Ass J 155(7):1077-1079
01 Oct 1969 41.8 AM3
Arsenates, Balantidiasis, Camels, Chloroquine.

15193-69
A STUDY OF EXPERIMENTALLY INDUCED BOVINE VIRAL DIARRHEA-MUCOSAL DISEASE IN PREGNANT COWS AND THEIR PROGENY.
G M Ward S J Roberts K MeEntee J H Gillespie
Cornell Vet 49(4):525-538 REF
Oct 1969 41.8 C81
Animal histology, Animal physiology, Antibodies, Calves, Cattle, Diarrhea, Mucosal disease, Neutralization test, Pregnaney, Serological tests, Temperature, Virus diseases (animals).

15194-69
CHRONIC CHOLANGIOHEPATITIS IN A DAIRY COW. A CASE REPORT.
R H Whitlock W R Brown
Cornell Vet 49(4):516-524
Oet 1969 41.8 C81
Animal physiology, Cattle, Hepatitis, Histoehemistry, Jaundiee, Livestoek diseases.

ARTHROPODS

15195-69
AN IMPROVED LABORATORY METHOD OF EVALUATING INSECTICIDES FOR TIIE PROTECTION OF SHEEP AGAINST BLOWFLY STRIKE.
R du Toit
S Afr Vet Med Ass J 39(4):77-79
Dee 1968 41.8 SO8
Bromophos, Calliphoridae, Carbamates, Diazinon, Inseet pests, Inseeticides, Naled, Organophosphorus eompounds, Sheep.

15196-69
SOME ASPECTS OF MANGE IN MAN AND DOMESTIC ANIMALS.
A Fain
Entomol Ber 29(6):103
01 Jun 1969 420 N38B
Mammals, Mange, Mites, Poultry diseases, Sarcoptiformes.

15197-69
LIVESTOCK AND POULTRY INSECTS.
J Falter
N C Pesticide Manual 00(00):83-88
1967 79.8 N81
Chlorinated hydroearbons, Inseet pests, Inseetieide applieation, Livestock, Poultry.

15198-69
A MITE INFESTATION IN SQUIRREL MONKEYS (SAIMIRI SCIUREUS).
R E Flatt N M Patton
Amer Vet Med Ass J 155(7):1233-1235
01 Oet 1969 41.8 AM3
Mites, Monkeys, Parasitism, Photomierography.

15199-69
ERRADICATION EFFORTS AGAINST TROPICAL BONT TICK, AMBLYOMMA VARIEGATUM, IN THE VIRGIN ISLANDS.
J L Hourrigan R K Strickland O L Kelsey B E Knisely C C Crago S Whittaker D J Gilhooly
Amer Vet Med Ass J 154(5):540-545
01 Mar 1969 41.8 AM3
Amblyomma variegatum, Carbaryl, Cattle, Chemieal control (insects), Coumaphos, Dipping, Inseet veetors, Riekettsia, Spraying, Zoogeography.

15200-69
INSECTS ON HUMANS.
R L Robertson
N C Pesticide Manual 00(00):82
1967 79.8 N81
Chlordane, Dieldrin, DDT, Human diseases, Insect pests, Lindane, Toxaphene.

PARASITES

15201-69
TRIALS WITH YOMESAN AND OTHER SELECTED CHEMICALS AGAINST THYSANOSOMA ACTINIOIDES, THE FRINGED TAPEWORM OF SHEEP.
R W Allen F D Enzie K S Samson
Helminthol Soc Wash Proc 34(2):195-199 REF
Jul 1967 436.9 H36
Anthelminties, Cestoda, Drug therapy, Niclosamide, Sheep, Thysanosoma actinoides.

15202-69
THE PRESENCE OF AN ADULT LINGUATULA SERRATA (FROELICH, 1789) IN FELIS CATUS DOMESTICUS. (SP)
E Baraboglia J E Led E G Colombo
Gac Vet 30(214):251-255
May 1968 41.8 G112
Cats, Intestines, Linguatula serrata, Nematodes. English summary.

15203-69
AEROBIC AND ANAEROBIC METABOLISM OF LARVAL AND ADULT TAENIA TAENIAEFORMIS. III. INFLUENCE OF SOME CATIONS ON GLUCOSE UPTAKE, GLUCOSE LEAKAGE, AND TISSUE GLUCOSE.
T von Brand E Gibbs
Helminthol Soc Wash Proc 33(1):1-4
Jan 1966 436.9 H36
Bioehemistry, Cestoda, Glucose, Ions, Metabolism, Taenia taeniaeformis.

15204-69
OBSERVATIONS OF A SOURCE OF STRONGYLOIDES RANSOMI IN THE PIG, DOG AND MAN, AND OF STRONGYLOIDES WESTERI IN THE PIG. (SP
E R Cardenosa
Spain Patronato Biol Anim Rev 11(3/4):35-44
1967 49.9 SP16
Dogs, Humans, Intestines, Nematode infestation, Parasitism, Strongyloides ransomi, Strongyloides westeri, Swine. English and French summaries.

15205-69
NEMATODIROSIS IN SHEEP AND ITS PRESENT TREATMENT.
K Chroust T Lax
Brno Acta Univ Agr Fac Vet 36(1):87-99 REF
1967 SF604.B7
Anthelminties, Drug therapy, Nematodiasis, Nematodirus, Nematodirus filieollis, Nematodirus helvetianus, Phenothiazine, Sheep. Russian and Czechoslovakian summaries.

15206-69
THE USE OF DICHLORUOS AS AN ANTHELMINTIC IN NATURALLY PARASITIZED BEARS.
J D Clark F M Loew K F Burns
Amer Vet Med Ass J 155(7):1093-1097
01 Oet 1969 41.8 AM3
Anthelminties, Ascaridae, Bears, Diehlorvos.

15207-69
PROPHYLACTIC EFFICACY OF PYRANTEL AGAINST ASCARIS SUUM IN SWINE.
D P Conway A Arakawa
Cornell Vet 49(4):605-610
Oet 1969 41.8 C81
Anthelminties, Ascaris lumbrieoides suum, Pyrantel tartrate, Swine.

15208-69
THE INTRAVITAL DETECTION OF TRICHINELLOSIS BY MEANS OF MYOPSIA. (CZ)
I Dykova
Brno Acta Univ Agr Fac Vet 36(2):251-253
1967 SF604.B7
Diagnosis, Epizootie diseases, Livestock diseases, Nematode infestation, Trichinosis. English, Russian, and German summaries.

15209-69
LOCALIZATION OF TRICHINELLA SPIRALIS LARVAE. (CZ)
I Dykova
Brno Acta Univ Agr Fac Vet 36(1):119-122 REF
1967 SF604.B7
Cats, Larvae, Museles, Nematode infestation, Tongue, Triehinella spiralis, Triehinosis. Russian and English summaries.

15210-69
LARVAL LOCATION OF THE TRICHINELLA SPIRALIS. (CZ)
I Dykova
Brno Acta Univ Agr Fac Vet 36(1):111-117 REF
1967 SF604.B7
Cats, Muscles, Nematode infestation, Parasitism, Tongue, Triehinella spiralis, Triehinosis. Russian and English summaries.

15211-69
THE INVASION-ABILITY OF TRICHINELLA LARVAE FROM PUTREFYING MUSCLES OF FELIS SILVESTRIS AND ARTIFICIALLY INVADED FELIS DOMESTICA. (CZ)
I Dykova
Brno Acta Univ Agr Fac Vet 36(2):255-258
1967 SF604.B7
Cats, Livestock diseases, Muscles, Nematode infestation, Trichinella. English, Russian, and German summaries

15212-69
WILD HOGS AS A SOURCE OF TRICHINELLOSIS EPIDEMIC IN VOJVODINA. (SE)
R Golosin A Kosovac Z Skocajic
Vet Glas 22(9):787-791 REF
1968 41.8 J93
Animal diseases, Epidemiology, Human diseases, Nematode infestation, Sausages, Swine, Trichinella spiralis, Trichinosis. English and Russian summaries.

15213-69
EFFECTS OF COLD STORAGE ON THE INFECTIVITY OF THIRD-STAGE LARVAE OF THE INTESTINAL WORM, TRICHOSTRONGYLUS COLUBRIFORMIS (GILES, 1892) RANSOM, 1911.
H Herlich
Helminthol Soc Wash Proc 33(1):101-102
Jan 1966 436.9 H36
Cold storage, Guinea pigs, Larvae, Nematode infestation, Nematodiasis, Trichostrongylus colubriformis.

When guinea pigs were used as experimental hosts to test the effects of cold storage on the infectivity of third-stage larvae of Trichostrongylus colubriformis, there was no apparent effect on larvae stored as long as 12 months at 4 C; whereas, the viability and infectivity of larvae stored for 15 and 18 months were affected detrimentally.

15214-69
STUDIES ON MEMBRANE TRANSPORT--VI. ABSORPTION OF AMINO ACIDS BY FASCIOLIID TREMATODES.
H Isseroff C P Read
Compar Biochem Physiol 30(6):1153-1159
15 Sep 1969 444.8 C73
Amino acids, Fasciola hepatica, Membranes, Metabolism.

15215-69
STUDIES OF PARASITE METABOLISM. I. IN VITRO EXAMINATION OF THE VITAMIN A METABOLISM OF ASCARIS SUUM.
S Juhasz S Babos
Acta Vet (budapest) 19(3):239-251
1969 41.8 AC83
Ascaris lumbricoides suum, Metabolism, Parasitology, Vitamin A.

15216-69
ACTIVITY OF THREE ANTHELMINTICS AGAINST MIXED INFECTIONS OF TWO TRICHOSTRONGYLUS SPECIES IN GERBILS, SHEEP, AND GOATS.
K C Kates D E Thompson
Helminthol Soc Wash Proc 34(2):228-236 REF
Jul 1967 436.9 H36
Anthelmintics, Drug therapy, Goats, Phenothiazine, Ruelene, Sheep, Thiabendazole, Trichostrongylus.

15217-69
THE DYNAMISM OF CYSTICERCUS BOVIS REGRESSION IN SPONTANEOUSLY INVADED CATTLE.
K Koudela
Brno Acta Univ Agr Fac Vet 36(1):81-85 REF
1967 SF604.B7
Cattle, Cysticercus bovis, Nematode infestation. Russian and Czechoslovakian summaries.

The incidence of the regressively changed cysticerci markedly went up with the increasing age group of the intermediary host.

15218-69
TREATMENT OF SCHISTOSOMA MATTHEEI INFESTATION IN SHEEP.
J A Lawrence
S Afr Vet Med Ass J 39(4):47-51 REF
Dec 1968 41.8 SO8
Drug therapy, Helminths, Human diseases, Livestock diseases, Parasitism, Sheep.

15219-69
INFECTION BY BRACHYLAEMA FUSCATA (RUDOLPHI, 1819) IN THE DOMESTIC PIGEON. (IT)
G Macchioni
Pisa Univ Stud Fac Med Vet Ann 20:28-39 REF
1967 41.9 P67
Brachylaimidae, Helminths, Parasitism, Pigeons, Symptomatology. English and French summaries.

15220-69
ON ADULTS OF THE SUBULURID INFECTIVE LARVA FROM TENEBRIONID BEETLE WITH REMARKS ON THE VALIDITY OF SUBULURA MINETTI BHALERAO.
S C Mathur B P Pande
Cur Sci 36(16):422-424
20 Aug 1967 475 SCI23
Chickens, Larvae, Nematodes, Parasitism, Subulura, Taxonomy, Tenebrionidae.

15221-69
SOME PATHOLOGICAL ASPECTS OF ANIMAL SCHISTOSOMIASIS IN THE SUDAN.
I E Mustafa M F Hussein
Brno Acta Univ Agr Fac Vet 36(1):107-110
1967 SF604.B7
Cattle, Nematode infestation, Parasitism, Schistosomiasis, Symptomatology. Czechoslovakian summary.

15222-69
TREATMENT OF INTESTINAL STRONGYLOIDS OF THE HORSE USING THIABENDAZOLE (2-(4'THIAZOLYL)-BENZIMIZOLE). (IT)
G Palma
Acta Med Vet 14(1/2,JAN-APR):125-129 REF
1968 41.8 AC84
Anthelmintics, Horses, Intestines, Nematode infestation, Strongyloides, Thiazolyl)-benzimidizole, 2-(4-.

15223-69
VIABILITY OF EGGS OF ECHINOCOCCUS GRANULOSIS AND MULTICEPS MULTICEPS IN ENSILAGED FODDER. (BU)
P Pavlov G Dimitrov V Bratanov
Vet Med Nauk 5(8):67-73 REF
1968 41.8 V6468
Echinococcus granulosus, Eggs, Feed, Multiceps multiceps, Nematode infestation, Parasitism, Silage. English and Russian summaries.

15224-69
A KILL OF BROOK TROUT (SALVELINUS FONTINALIS) INVOLVING THE ACANTHOCEPHALAN ECHINORHYNCHUS LATERALIS.
J H C Pippy I M Sandeman
Can Fish Res Board J 24(7):1627-1628
Jul 1967 442.9 C16J
Acanthocephala, Bacterial diseases (animals), Epizootic diseases, Intestines, Trout.

15225-69
A COMPARATIVE STUDY OF HAEMONCHUS CONTORTUS OF SHEEP AND GOATS.
N S K Rao N Sundararaj S A Rahman
Mysore J Agr Sci 2(2):128-132
1968 S19.M9
Goats, Haemonchus contortus, Nematodes, Sheep, Statistical analysis.

15226-69
STUDIES ON MEMBRANE TRANSPORT--VII. TRANSPORT OF HISTIDINE THROUGH TWO DISTINCT SYSTEMS IN THE TAPEWORM HYMENOLEPIS DIMINUTA.
C K Woodward C P Read
Compar Biochem Physiol 30(6):1161-1177 REF
Sep 1969 444.8 C73
Histidine, Hymenolepis diminuta, Metabolism.

COMMODITY PROTECTION

15227-69
HYGROSCOPICAL QUALITIES OF HOPS ON CEMENT FLOORS. (CZ)
V Fric K Makovec O Drexler
Praze Sb Vysoke Sk Zemed (SER A):431-440 REF
1966 S13.P72
Hops, Humidity, Storage, Warehouses. German and Russian summaries.

STORAGE DISEASES

15228-69
GRAIN STORAGE FUNGI ASSOCIATED WITH MITES.
M Anwarullah B A Khan A Hasan S S Husain
Pakistan J Sci Indus Res 11(3):294-296 REF
Jul 1968 475 P174
Fungi, Fungus diseases (plants), Grain, Insect vectors, Mites, Stored products, Surveys.

Mites were collected from stored grain in Pakistan and examined for fungi. Eighteen species of fungi representing seven genera were isolated from the feces, digestive tracts and exterior of the mites.

ARTHROPODS

15229-69
CAMPAIGN AGAINST STORED GRAIN PESTS IN VILLAGES OF IADP DISTRICT LUDHIANA.
H N Batra
Plant Protect Bull 19(3):21-25
1967 421 P69
Aluminum phosphide, Chemical control (pests), DDT, Grain, Insecticide application, Malathion, Methoxychlor, Stored products.

15230-69
HOUSHOLD PESTS IN HAMBURG THROUGH THREE IMPORTED BEETLES. (GE
H Weidner
Prakt Schadlingsbekampfer 20(10):133-135
Oct 1968 421 P882
Household pests, Insect behavior, Insect nutrition, Oryzaephilus, Tribolium.

15231-69
HOUSEHOLD PESTS.
C G Wright R L Robertson
N C Pesticide Manual 00(00):79-81
1967 79.8 N81
Chemical control (insects), Chlorinated hydrocarbons, Household pests.

RODENTS AND OTHER PESTS

15232-69
RODENT TRAPPING.
W D Fitzwater
Nat Pest Cont Ass Tech Release (5):8P
20 Feb 1969 423.9 N213T
Animal cages, Animal traps, Attractants, Baits, Methodology, Rodents.

15233-69
EXPERIMENTAL DESTRUCTION OF RATS, EITHER TEMPORARY OR UNINTERRUPTED, USING GRAIN POISONED WITH COUMAFENE (WARFARIN). (FR)
J. Giban
Ann Epiphyt 19(4):629-658 REF
1968 464.9 F84AN
Chemical control (pests), Grain, Rats, Rodenticides, Warfarin. English abstract.

RESIDUES

15234-69
HERBICIDE RESIDUES IN PLANTS AND SOILS.
R S Adams et. al.
N Cent Weed Contr Conf Res Rep 24:1-6
1967 79.9 N81R
Grain, Herbicides, Pesticide residues, Soil contamination. Includes summary by R. S. Adams, followed by brief reports of various authors.

15235-69
EFFECT OF SIMULATED ATRAZINE RESIDUES ON OAT YIELDS.
R S Adams S E Nelson
N Cent Weed Contr Conf Res Rep 24:4
1967 79.9 N81R
Atrazine, Chemical control (weeds), Crop yields, Dosage, Herbicide residues, Oats.

15236-69
POSSIBILITIES OF APPLICATION OF THE RING-OVEN TECHNIQUE IN THE DETERMINATION OF PESTICIDES RESIDUES.
S Alwin W Kaniewski S J Kunbacki
Poznan Inst Ochrony Roslin Biul (41):135-139
1968 464.9 P87
Chemical analysis, Copper, Pesticide residues, Plant tissues, Zinc. English and Russian abstracts.

15237-69
DDT IN ADIPOSE TISSUE OF ANIMALS AND BIRDS. (PO)
H Bronisz J Ochynski W Latkowskii
Poznan Inst Ochrony Roslin Biul (41):103-107 REF
1968 464.9 P87
Adipose tissue (animals), Birds, Chemical analysis, Chlorinated hydrocarbons, Colorimetry, DDT, Insecticide residues. English and Russian abstracts.

15238-69
DDT AND DDE IN HUMAN MILK. (PO)
H Bronisz J Ochynski
Poznan Inst Ochrony Roslin Biul (41):99-102
1968 464.9 P87
Chemical analysis, Chlorinated hydrocarbons, Colorimetry, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Insecticides, Milk, Pesticide residues. English and Russian abstracts.

15239-69
THE DETERMINATION OF DDT AND ITS METABOLITES RESIDUES IN EGG PRODUCTS FOR EXPORT BY MEANS OF GAS CHROMATOGRAPHY. (PO
A Ciesliczak W Martinek J Zerbe
Poznan Inst Ochrony Roslin Biul (41):85-90
1968 464.9 P87
Chromatography, DDT, Eggs, Insecticide residues, Metabolites, Methodology. English and Russian abstracts.

15240-69
BIRD MORTALITY BY CHLORINATED HYDROCARBON PESTICIDES. (DU)
Landbouwkundig Tijdschr 80(5):206-214 REF
May 1968 105.2 OR3
Aldrin, Birds, Chlorinated hydrocarbons, Dieldrin, Heptachlor, Mortality, Pesticide residues, Seed dressing.

15241-69
SOME PHARMALOGICAL ACTIONS OF 2-(BETA-METHOXYETHYL) PYRIDINE (ACTIVE PRODUCT OF THE ANTHELMINTIC FOR RUMINANTS PROMINTIC (ICI)). (SP)
J A R Garcia J A Benenati
Montevideo Univ Fac Vet Urug An 11(9):7-16
Feb 1968 41.9 M764
Anthelmintics, Methoxyethylpyridine, 2-beta-, Pharmacology, Ruminants. English summary. the anthelmintics effects on ruminants are discussed.

15242-69
THE HERBICIDES FROM AN UREA DERIVATIVES GROUP, PROBLEMS OF METABOLISM AND RESIDUES OF THOSE COMPOUNDS AND THEIR TOXICOLOGICAL IMPORTANCE. (PO)
H Geisshuhler
Poznan Inst Ochrony Roslin Biul (41):33-44
1968 464.9 P87
Biological assay, Chemical analysis, Chromatography, Herbicide residues, Metabolism, Toxicology, Urea herbicides. English and Russian abstracts.

15243-69
RESULTS OF HERBICIDE APPLICATION TO CORIANDRUM SATIVUM L. CULTURES AND ANALYSIS OF HERBICIDAL RESIDUES IN THE FRUIT. (POL)
L Golcz H Garszczynska W Kasinski E Papathanasyju R Zalecki
Poznan Inst Przemyslu Zielarskiego Biul 13(4):211-219 REF
1967 451 P87
Chemical control (weeds), Coriandrum sativum, Drug plants, Herbicide residues, Nexoval, Pesticide application, Prometryne. English and Russian summaries.

15244-69
RESIDUES OF CHLORTETRACYCLINE IN EGGS AFTER ADDITIONAL FEEDING WITH THIS ANTIBIOTIC SUBSTANCE.
J Holec I Kadlec
Brno Acta Univ Agr Fac Vet 36(2):219-224
1967 SF604.B7
Animal nutrition, Antibiotics, Chlortetracycline, Dosage, Eggs, Feed additives, Residues, Tissue culture. Czech summary.

15245-69
RESIDUES OF CHLORTETRACYCLINE IN THE TISSUES OF POULTRY AFTER ADDITIVE FEEDING WITH THIS ANTIBIOTIC SUBSTANCE.
J Holec C Holicky
Brno Acta Univ Agr Fac Vet 36(2):211-218 REF
1967 SF604.B7
Antibiotics, Chlortetracycline, Dosage, Feed additives, Poultry, Residues, Surveys, Tissue culture. Czech summary

15246-69
DETERMINATION OF CHLORINATED HYDROCARBONS IN FATS OF MEN NOT PROFESSIONALLY IN CONTACT WITH PESTICIDES. (PO)
H Jenczyk A Bojanowska
Poznan Inst Ochrony Roslin Biul (41):51-58 REF
1968 464.9 P87
Adipose tissue (animals), Chemical analysis, Chlorinated hydrocarbons, Chromatography, DDT, Insecticide residues, Pesticides. English and Russian abstracts.

15247-69
PESTICIDES RESIDUES CONTROL. (PO)
T Juszkiewicz
Poznan Inst Ochrony Roslin Biul (41):21-31
1968 464.9 P87
Adipose tissue (animals), Eggs, Milk, Pesticide monitoring program, Pesticide residues, Poultry, Surveys, Swine, Toxicology. English and Russian abstracts.

15248-69
A NEW METHOD FOR CLEAN-UP OF CHLORINATED PESTICIDE RESIDUES IN MEAT, MEAT PRODUCTS, FATS AND OILS. (PO)
P Krasnodebski S J Kubacki
Poznan Inst Ochrony Roslin Biul (41):59-64
1968 464.9 P87
Adipose tissue (animals), Chemical analysis, Chlorinated hydrocarbons, Meat, Methodology, Oils, Pesticide residues. English and Russian abstracts.

15249-69
STUDIES ON SOME CHLORINATED HYDROCARBON RESIDUES IN POTATO TUBERS HARVESTED IN 1965--1966. (PO)
J Kroczynski M Drygas
Poznan Inst Ochrony Roslin Biul (41):65-73 REF
1968 464.9 P87
Benzene hexachloride, Chemical analysis, Chlorinated hydrocarbons, DDT, Methoxychlor, Pesticide residues, Potatoes. English and Russian abstracts.

15250-69
FROM STUDIES ON RESIDUES OF DDT, LINDANE AND DMDT IN SOIL. (PO
J Kroczynski
Poznan Inst Ochrony Roslin Biul (41):75-83 REF
1968 464.9 P87
Chemical analysis, Chlorinated hydrocarbons, DDT, Insecticide residues, Lindane, Methoxychlor, Soil contamination. English and Russian abstracts.

15251-69
SPEED DISAPPEARANCE OF DDVP/DICHLORVOS/ IN DEPENDENCE FROM THE PESTICIDE FORMULATION. (PO)
S Lakota A Nalepa
Poznan Inst Ochrony Roslin Biul (41):129-133
1968 464.9 P87
Aerosols, Chemical analysis, Chlorinated hydrocarbons, Dichlorvos, Pesticide residues, Pesticides, Spraying. English and Russian abstracts.

15252-69
DEGRADATION OF DDT AND DDE BY CHEESE MICROORGANISMS.
R A Ledford J H Chen
J Food Sci 34(4,JUL-AUG):386-388 REF
Aug 1969 389.8 F7322
Chemical analysis, Chromatography, Degradation, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Electron capture, Insecticides, Micrococcaceae, Streptococcus, Yeasts.

15253-69
THE SIGNIFICANCE OF PESTICIDE RESIDUES ON HUMAN LIFE. (PO)
W Rusiecki
Poznan Inst Ochrony Roslin Biul (41):9-20
1968 464.9 P87
Adipose tissue (animals), Air pollution, Food contamination, Milk, Pesticide residues, Soil contamination, Toxicology, Water pollution. English and Russian abstracts.

15254-69
RESIDUES ON THE SUGAR BEET LEAVES OF DDT APPLIED TO CONTROL THE LEAF-EATING PESTS.
T Stachyra T Stobiecki
Poznan Inst Ochrony Roslin Biul (41):109
1968 464.9 P87
Chlorinated hydrocarbons, DDT, Insecticide residues, Leaves, Sugar beets. English, Russian and Polish abstracts.

15255-69
PRACTICAL REMARKS ON THE METHODS OF EXTRACTION AND DETERMINATION OF DDT, BHC AND METHOXYCHLOR RESIDUES IN BIOLOGICAL MATERIAL. (PO)
J Stec
Poznan Inst Ochrony Roslin Biul (41):117-120
1968 464.9 P87
Benzene hexachloride, Chemical analysis, Chlorinated hydrocarbons, Chromatography, DDT, Methoxychlor, Pesticide residues. English and Russian abstracts.

15256-69
ELECTRON CAPTURE DETECTOR WITH THE USE OF 90 SR INTENDED FOR THE DETERMINATION OF SOME PESTICIDES IN GAS--LIQUID CHROMATOGRAPHY. (PO)
B Szucki W Demidziuk
Poznan Inst Ochrony Roslin Biul (41):111-115
1968 464.9 P87
Benzene hexachloride, Chemical analysis, Chlorinated hydrocarbons, Chromatography, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Electron capture, Insecticides, Nitrogen, Pesticide residues. English and Russian abstracts

15257-69
INFLUENCE OF RELATIVE SOIL MOISTURE UPON EVOLUTION OF CHEMICAL SOIL FUMIGANTS. (GE)
C Van Asschc H Van Den Broeck A Vanaehter
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):50-60
Jan 1969 410.9 G31M
Chemicals, Pesticide residues, Soil fumigation, Soil moisture. English abstract

15258-69
RESULTS OF DETERMINATIONS OF CHLORINATED HYDROCARBONS RESIDUES IN APPLES. (PO)
W Zaborowska B Szucki
Poznan Inst Ochrony Roslin Biul (41):91-97
1968 464.9 P87
Apples, Chemical analysis, Chlorinated hydrocarbons, Colorimetry, Pesticide residues. English and Russian abstracts.

15259-69
STUDIES UPON THE RESIDUES OF DISYSTONE IN POTATO TUBERS AND SOME VEGETABLES. (PO)
Z Zwolinska-Sniatalowa
Poznan Inst Ochrony Roslin Biul (41):120-128
1968 464.9 P87
Chemical analysis, Disyston, Organophosphorus compounds, Pesticide residues, Potatoes, Spectrophotometry, Vegetables. English and Russian abstracts.

TOXICOLOGY

15260-69
MODIFICATION OF PARATHION TOXICITY TO WAX MOTH LARVAE BY CHLORCYCLIZINE, AMINOPYRINE OR PHENOBARBITAL.
N Ahmad W A Brindley
Toxicol Appl Pharmacol 15(2):433-440 REF
Sep 1969 391.8 T662
Aminopyrine, Drug therapy, Larvae, Parathion, Toxicology.

15261-69
STRUCTURAL AND BIOCHEMICAL CHANGES IN TISSUES ISOLATED FROM THE CANTHARIDIN-POISONED RAT WITH SPECIAL EMPHASIS UPON HEPATIC SUBCELLULAR PARTICLES.
F K Bagatell K Dugan G F Wilgram
Toxicol Appl Pharmacol 15(2):249-261 REF
Sep 1969 391.8 T662
Cantharidin, Electron mieroscopy, Liver, Rats, Tissues, Toxicology.

15262-69
GLOMERULAR LESIONS INDUCED IN PEKIN DUCKS BY DIETARY ADMINISTRATION OF DIMETHYLNITROSAMINE.
W W Carlton J R Welser
Toxicol Appl Pharmacol 13(3):404-411 REF
Nov 1968 391.8 T662
Dict, Drugs, Glomcrulitis, Histoehemistry, Nitrosodimethylamine, N-, Pekin ducks, Tissue culture.

15263-69
ADSORPTION OF DRUGS AND POISONS BY ACTIVATED CHARCOAL.
W J Deeker H F Combs D G Corby
Toxicol Appl Pharmacol 13(3):454-460
Nov 1968 391.8 T662
Adsorption, Charcoal, Drugs, Poisons, Testing. 27 drugs were tested for their adsorption ability.

15264-69
THE REDISTRIBUTION OF STORED DDT IN COCKERELS UNDER THE INFLUENCE OF FOOD DEPRIVATION.
D J Ecobichon P W Saschenbrecker
Toxicol Appl Pharmacol 15(2):420-432 REF
Sep 1969 391.8 T662
Chickens, DDT, Fat body, Nervous system, Toxicology.

15265-69
DEGRADATION OF ORGANOPHOSPHATES BY FISH LIVER PHOSPHATASES.
J W Hogan C O Knowles
Can Fish Res Board J 25(8):1571-1579 REF
Aug 1968 442.9 C16J
Biochemistry, Dichlorvos, Ictalurus, Lepomis, Liver, Metabolism, Organophosphorus compounds, Pesticides, Phosphatases.

15266-69
IN VITRO RESEARCH ON INDOL-3-ACETIC ACID. 5-HYDROXY-INDOLEACETIC ACID, O-AMINOPHENOL AND XANTHURENIC ACID IN THE CONTENT OF CAECUM FROM EQUINE AFTER ADDITION OF L-TRYPTOPHAN. (IT)
A P Mariani T L Fratesehi
Pisa Univ Stud Fac Med Vet Ann 20:221-228
1967 41.9 P67
Biochemistry, Cecum, Drug therapy, Horses, Indoleaeetie aeid, Rumen, Tryptophan, Xanthurenic acid. English and French summaries.

15267-69
RESEARCH ON O-AMINOPHENOL IN THE RUMEN LIQUOR FROM CATTLE WITH AND WITHOUT INCUBATION WITH L-TRYPTOPHAN. (IT)
A P Mariani
Pisa Univ Stud Fac Med Vet Ann 20:215-220
1967 41.9 P67
Amino acids, Animal metabolism, Biochemistry, Cattle, Drug therapy, Metabolites, Rumen, Tryptophan. English and French summaries.

15268-69
ON THE CHRONIC ACTION OF TETRAMETHYLTHIURAMIDESULPHIDE (TMTD) IN HENS AND THE QUALITY OF THE EGGS PRODUCED BY THEM. (BU)
N Naidenov
Vet Med Nauk 5(8):87-94 REF
1968 41.8 V6468
Chickens, Eggs, Lethal dose, Quality control, Symptomatology, Thiram. English and Russian summaries.

15269-69
CONSIDERATIONS OF THE PHARMACOLOGY AND TOXICOLOGY OF THE POISON OF BUFO PARACNEMIS LUTZ. (SP)
F Riet
Montevideo Univ Fac Vet Urug An 11(9):17-25
Feb 1968 41.9 M764
Cats, Dogs, Glands (animals), Micc, Pharmacology, Toxieology, Venoms. English summary. the effects of poison were discussed.

15270-69
FORAGE NITRATE POISONING.
S Dak State Univ Ext Ext Mimeogr Circ (420):4P
275.29 SO85FS
Animal nutrition, Feed, Fertilizers, Forage plants, Nitrates, Poisoning, Silage, Symptomatology, Therapeutics, Vitamin a, Water.

15271-69
RESEARCH ON THE EFFECTS OF GRADUAL DOSES OF PYRIDOXINE ON XANTHURENURY CAUSED BY MASSIVE DOSES OF NICOTINAMIDE. (IT)
D Spisni A P Mariani
Pisa Univ Stud Fac Med Vet Ann 20:201-209
1967 41.9 P67
Drug therapy, Nieotinamide, Rabbits, Vitamin b6, Xanthurenic acid. English and Freneh summaries.

15272-69
TOXICITY OF SIX ORGANOPHOSPHORUS INSECTICIDES TO FISH.
A Sreenivasan G K Swaminathan
Cur Sci 36(15):397-398 REF
05 Aug 1967 475 SC123
Fish, Insecticides, Malathion, Organophosphorus compounds, Parathion, Phosphamidon, Toxicology.

Six organophosphorus insecticides, parathion, malathion, ethyl parathion, methyl dimeeron, phosphamidon and DDVP were bioassayed for toxieity to 10 speeies of fish. A differential toxieity was observed and recorded for each speeies.

15273-69
THE TOXICOLOGY AND PHARMACODYNAMICS OF DIELDRIN (HEOD): TWO-YEAR ORAL EXPOSURES OF RATS AND DOGS.
A I T Walker D E Stevenson J Robinson E Thorpe M Roberts
Toxicol Appl Pharmacol 15(2):345-373 REF
Scp 1969 391.8 T662
Alkaline phosphatase, Dieldrin, Dogs, Neoplasms, Rats, Toxieology.

PLANT PHYSIOLOGY & BIOCHEMISTRY

15274-69
THE ACTION OF GIBBERELLIC ACID ON GRAPE FRUCTIFICATION. (IT
G Borzini
Agricoltura 17(6):54-56
Jun 1968 16 AG8226
Gibberellie acid, Grapes, Plant physiology, Plant regulators. English and French summaries.

15275-69
BOTANICAL, ECOLOGICAL AND PHYSIOLOGICAL STUDIES.
A C Carder et. al.
N Cent Weed Contr Conf Res Rep 24:10-14
1967 79.9 N81R
Chemical control (weeds), Herbicides, Plant ecology, Plant physiology, Weeds. Includes summary by A. C. Carder, followed by brief reports of various authors.

15276-69
UTILIZATION OF POLYETHYLENE FILM TO CONTROL EVAPORATION IN THE LOSS IN WEIGHT METHOD FOR TRANSPIRATION.
J G Dosland
N Cent Weed Contr Conf Res Rep 24:7
1967 79.9 N81R
Evaporation, Plant physiology, Plant transpiration, Polyethylene, Seedlings.

15277-69
PLANT RESISTANCE DEPENDING ON PROTECTIVE SURFACE LAYERS OCCURRING NATURALLY. (GE)
E Heidenreich
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):158-159
Jan 1969 410.9 G31M
Phytotoxieity, Plant disease resistanee, Plant inseet resistance, Plant morphology, Plant physiology, Weathcr. English abstract.

15278-69
UTILIZATION OF CARBOHYDRATE COMPOUNDS BY THE PECAN SCAB FUNGUS, FUSICLADIUM EFFUSUM WINT..
A D Hopp G L Barnes
Okla Acad Sci Proc 48:210-215
1969 500 OK42
Carbohydrates, Fungus diseases (plants), Fusieladium effusum, Peeans, Plant metabolism.

15279-69
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